

# **DOOR PHONE & VIDEO DOOR PHONE SYSTEMS INSTALLATION DIAGRAMS**

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**MT 101-014**



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# INSTALLATION DIAGRAMS

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## INSTRUCTIONS FOR INSTALLER

The products described in this technical manual must be used as expressly intended only, i.e. to build door phone and video door phone systems.

Any other use must be considered inappropriate and, them, dangerous. The constructor can not be considered liable for casual damages due to inappropriate, wrong and irrational use.

- The system must be built in compliance with the regulations in force.
- Check that the device is intact after removing it from the packaging. (do not proceed with installation in the event of faults);
- Keep the packaging (plastic bags, polystyrene, etc.) away from children. Packaging is potentially dangerous.
- Before connecting the set install an appropriate separation and protection switch.
- Before connecting the set verify that the data label correspond to the mains ones.
- Ensure that the conditions and data shown in the instruction booklets are respected for the entire life of the device;
- Do not obstruct the openings or fessures for ventilation or heat elimination.
- Before any cleaning or maintenance operation, disconnect the set by means of the system switch.
- In case of failure and/or malfunctioning of the set disconnect it by means of the general switch and do not damage it. (To repair the set contact Urmet after sales services)
- Do not open or tamper with the monitors: HIGH VOLTAGE live parts inside.
- Avoiding knocking or dropping the device to avoid breaking the kinescope with consequent projection of glass fragments.

If the above mentioned prescriptions are not followed, the set safety can be compromised.

The installer must verify that the notices for user are present on the slave sets.

## CONDUCTOR CROSS-SECTION

- Connection of traditional call door phone, 4+n wire electronic call door phone or coax video door phone systems:

Conductor cross-section depends on the length of the connections and must be able to guarantee a total resistance of less than 5 Ohm on each.

| Distance [m] | Cross-section [mm²] |
|--------------|---------------------|
|--------------|---------------------|

### Call and speech circuit

|     |     |
|-----|-----|
| 50  | 0,5 |
| 100 | 0,5 |
| 200 | 0,8 |
| 300 | 1,0 |

### Door release circuit

|     |     |
|-----|-----|
| 50  | 0,5 |
| 100 | 0,8 |
| 200 | 1,0 |
| 300 | 1,6 |

### Video circuit (°)

|     |     |
|-----|-----|
| 50  | 0,8 |
| 100 | 1,0 |
| 200 | 1,6 |
| 300 | 2,5 |

(°): data in the table refers to the camera and monitor power wires; a 75 Ω coax wire (e.g. RG59 U7) is required for the video signal.

In the table, the maximum distance is to be interpreted as between the call station and the furthest house phone or video house phone.

For longer distances:

- suitably increase circuit wire cross-section area for voice and call circuit;
- use of a back-up relay for operating door lock circuit is recommended;
- installation of a video distributor ref. 1794/4 is needed for the coax wire.

In intercom systems it is advisable never to exceed 200 meters.

- Connection of 1+1 wire electronic door phone or 5-wire video door phone systems.

The system works correctly with a maximum total (forwards and backwards) line resistance of 12 Ω.

Use the following wire cross-section areas according to distance:

| Distance [m] | Cross-section [mm²] |
|--------------|---------------------|
|--------------|---------------------|

### Call and speech circuit (terminals 1, 2, CA)

|     |      |
|-----|------|
| 50  | 0,35 |
| 100 | 0,75 |
| 200 | 1,0  |

### Video door phone power negative (terminal R1)

|     |      |
|-----|------|
| 50  | 0,75 |
| 100 | 1,5  |
| 200 | 2,5  |

### Video door phone power positive (terminal R2)

|     |     |
|-----|-----|
| 50  | 0,5 |
| 100 | 1,0 |
| 200 | 2,0 |

### Video signal (terminals A, B)

|     |             |
|-----|-------------|
| 50  | 0,35        |
| 100 | 0,35        |
| 200 | 0,35 double |

Maximum length is between door unit (panel) and the most distant apartment station (door phone or video door phone).

Up to two house phones can be connected in parallel.

**Note:** In all sistem foresee the wires for push button panel lamps lighting with an adequate power transformer (for up to 2 lamps the system transformer can be used), as well as the wires for the electric lock opener next to the door.

## WIRE LAYING

The wire laying of systems with different voltages is possible not only in separated conduits but also in the same conduit. In this case all the wires have an insulation suitable to the highest rated voltage. Wires of systems incompatible each others as power and telephones TV antenna, data transmission, must have different conduits and boxes. By using external conduits it is possible to fail to observe this rule, on the condition that the incompatible systems are separated by means of a diaphragm. The internal diameter of the conduits has to be at least 1.3 times the diameter of the circle circumscribed to the wire group that the conduits have to include, with a minimum of 10 mm.

Never use telephone cables; false calls may occur in installations with long lines due to problems of cross-talk.

## INSTALLATION DIAGRAMS

## OPERATING ANOMALIES

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## INSTRUCTION FOR GROUNDING OR NOT OF THE ELECTRONIC LOCKS AND PUSH BUTTON PANELS

According the IEC 64-8/4 Rule Point 411-1.2.4, the electronic device for which measures have been adopted to guarantee that in case of internal failure, the output terminal voltage cannot exceed the indicated values (50 Vac and, 120 Vdc not inverted) are source SELV type (ex BTS).

It is the case of the Urmet house phone power supplies for bar mounting that have a double insulation and that is belonging to class II (identified by the double square symbol) and that are conforming to IEC 12/13 Rules.

The active parts of the powered circuits (electric locks and push button panels) absolutely have not to be grounded (point 411.1.4.1). Only for information, the power supplies that do not belong to class II but to class I and, therefore, have not a double or intensified insulation, belong to FELV class (ex BTF). In this case both the power supplies and the active parts of the fed circuits have to be grounded.

## DOOR OPENER SERVICE

Most apartment stations are equipped with door opener button to operate one or more electrical locks.

It is not recommended to act on two different locks with the same button, since the excessive power absorbed by the door opener service might damage the power supply. In this case it is advisable to use house phones equipped with an additional button to open the second lock, or else to use relay switches for servocontrol of the second lock.

## TV CAMERA UNIT

To obtain the best reproduction never direct the TV camera towards strong light sources (i.e. sun, lamps, flashes, flames or reflections). Normal lighting is supplied by the infrared LEDs included in the TV camera unit. In case it is necessary the additional lamp lighting up for the outdoor vision (in particular with separated TV camera solution) insert a proper relay 788/5 by connecting to the video power supply. The contacts will close the circuit of the lamps fed with an external voltage.

## ADJUSTMENTS AND TESTS

After complete system installation, power up the power unit and test operation.

Your local Technical Assistance Centre is available to test fully installed and wired video door phone systems with more than two video door phones, with one video door phone and several video door units or with telephone switchboard free of charge. Refer to the list of Technical Assistance Centre in technical manuals, the general catalogue or at our web site [www.urmetdomus.com](http://www.urmetdomus.com) to find the centre nearest to you.

## OPERATING ANOMALIES

### BACKGROUND NOISE IN OUTDOOR STATION SYSTEMS

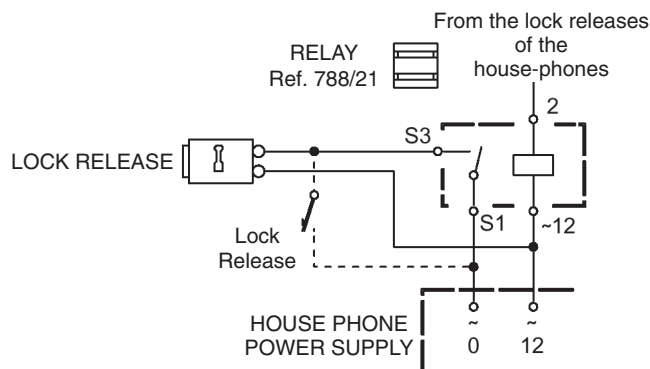
If, during a conversation a background noise or a rather strong buzzing are heard, it is necessary to check the power supply and the absence of failures in the components

One of the causes for the irregular functioning of the system is the 12V a.c. voltage pick up (for push button panel lamps lighting) from the “-” terminal of the loudspeaking unit, rather than from the power supply output.

In fact, by this mistake, when lamps light up there is a voltage drop in the common wire between power supply and outdoor station that gives - on its turn - the above mentioned background noises during the conversation.

Another cause of buzzing depends by long lines systems. The wire 9, that closes on the terminal -12 through the electric lock coil, induce the alternated current in the column To verify disconnect a wire from electric lock, if the buzzing disappears the cause is located. To

eliminate it control the lock by means of a auxiliary relay connected as per following scheme:



## RADIO FREQUENCY PICKING

Some times a radio broadcast program can be heard in the house phone handset; this happens when the outdoor station is next to the radio repeater station. By connecting, between terminals “+” and “2” of the loudspeaking unit a 100 nF capacitor, the inconvenience will be overcome.

## NON-OPERATION OF THE CALL TO THE LOUDSPEAKER

Check the power supply generates the call sound, by inserting a 45 Ohms loudspeaker between terminals “PS” and “-0” of the power supply.

Replace the power unit in the event of a failure.

## INSUFFICIENT RECEPTION IN OUTDOOR STATION SYSTEMS

The following cases may occur:

- 1) Insufficient reception at both outdoor and indoor stations.  
In this case it is necessary to verify that power supply voltage is not lower than 5,7V d.c. If feeding is normal, the insufficient reception is caused, in most cases, by a house phone that remains permanently inserted since, if the handset is unhooked, the hook contacts do not disconnect it from the system and therefore the house phones operate as if they were connected in parallel.
- 2) Insufficient reception at outdoor station only.  
If this occurs only when the outdoor station is in connection with a certain house phone, the defect can be easily eliminated by acting on the house phone. If, on the contrary, the reception is weak, independently from the house phone connected to the loudspeaking unit, the defect is to be found in the loudspeaking unit itself; therefore it will be necessary to first check that there have been no wire inversions in the connection to terminals “1” and “2” or inversions of “+” and “-” polarities.
- 3) Insufficient reception at indoor station only.  
Adjust the loudspeaking unit potentiometer by increasing the volume EXT.

## WHISTLE OR LARSEN EFFECT

Should the system present a “whistle” due to Larsen effect, duly adjust the two volume potentiometers of the loudspeaking unit reducing the higher yield channel (INT or EXT). A better result is obtained by acting on the internal volume.

## INTERCOMS

One of the most common connection mistakes in an intercom system causes the following defect: during test operations the handset gives a background noise and no conversation can take place.

This is due to a wrong connection on the power supply negative terminal.

The power supplies have two negative outputs: “-” and “-J”. The latter has a series impedance. If, during the installation, a connection is made on the first output instead of on the second “-J”, the system will not work since the impedance function is missing.

## **SYSTEM CHECK AND POSSIBLE FAILURES OUTDOOR STATION SYSTEM CONTROL**

- 1) Check that voltage between (+) and (-) terminals is of 6V. If voltage is normal, there should not be:
  - a) any badly connected house phone;
  - b) any house phone with permanently unhooked handset;
 To make sure that all house phones are properly connected, it is necessary to measure if between “+” and “1A” and “2” terminals voltage is present.  
 Under normal conditions, there should be no voltage. If, on the contrary, voltage is present, it means that in one or more house phones both the microphone and the receiver are permanently inserted.
- 2) Disconnect “+”, “1A” and “2” terminals wires from the loudspeaking unit and measure with the ohmmeter between wires 1A and 2:
  - if the result is infinite the system is in order;
  - if there is a resistance of about 100 Ohms, some house phone is always connected;
  - if the result is 0 Ohms, wire 1A and 2 are in short circuit.
 To verify the efficiency of the loudspeaking unit, wires 1A and 2 coming from the installation, must be disconnected and a provisional connection must be made on a perfectly working house phone; if the conversation is audible, the fault will have to be found somewhere else. To locate faults it is necessary to proceed upwards on the cable conduit.

## **1- OR 2-USER BASIC VIDEO DOOR PHONE SYSTEM TROUBLESHOOTING AND SOLUTIONS**

- 1) No conversation can be established with the door unit: the call tone is heard on the monitor but the monitor does not light up.  
 Short-circuit between output terminals: the power unit protection has tripped; disconnect power (230 Vac) and carefully check the system wiring again.
- 2) No conversation can be established with the door unit: no call tone is heard on the monitor and the monitor does not light up. Check:
  - connection between panel button and monitor CA terminal;
  - connection between power unit terminal PS and panel button common;
  - no short-circuit on power unit “PS” terminal.
- 3) A conversation can be established with the door unit: the call tone is heard on the monitor but the monitor does not light up.  
 Check:
  - presence of voltage (18-20 Vdc) between monitor terminals “R2” “+” and “R1” “-”.
- 4) A conversation can be established with the door unit: the call tone is heard on the monitor, the monitor does not light up but the screen is blank.  
 Check:
  - presence of voltage (16-18Vdc) between camera terminals “+TC” “R1”;
  - possible coax interruption or short-circuit.
- 5) No conversation can be established with the door unit: the call tone is heard on the video door phone and the camera picture appears.  
 Check:
  - presence of voltage (6Vdc) between door unit terminals “+6” and “-6”.
- 6) The system works correctly but the door lock cannot be released.  
 Check:
  - continuity between video door phone “9” and video power unit “AP” terminals.

All diagrams in this volume can be downloaded from the web site at [www.urmetdomus.com](http://www.urmetdomus.com), technical diagram area.

## INSTALLATION DIAGRAMS

### SYSTEM TYPOLOGIES - CHOOSING THE RIGHT SYSTEM

## SYSTEM TYPOLOGIES

### DOOR PHONE SYSTEMS

Door phone systems functions include conversation, calling and door opening in a normal electrical system. The following devices are needed to make a basic door phone system:

- panel with buttons and door unit;
- apartment station door phones;
- door phone system power unit.

Door phone systems are split into two families according to the number of wires needed to make the system.

### VIDEO DOOR PHONE SYSTEMS

Urmet Domus video door phone systems ensure a high level of user safety; visitors can be recognised at the door (of a detached house, a semi-detached house or a block of flats) thanks to the picture which appears on the monitor located inside.

The following devices are needed to make a basic video door phone system:

- panel with buttons, door unit and camera;
- apartment station video door phones;
- video door phone system power unit.

Either black and white or colour video door phone systems are available using specific monitors and camera.

Video door phone installation is simple and quick thanks to the use of specific brackets with terminal boards onto which the monitor is fastened.

Two system types are available: coax and 5 wires.

## CHOOSING THE RIGHT SYSTEM

### DOOR PHONE SYSTEMS

#### "4+n" wire systems

This type of system employs 4 wires (2 for voice in and out, 1 for door phone power ground and 1 for operating the electrical lock) plus one call wire.

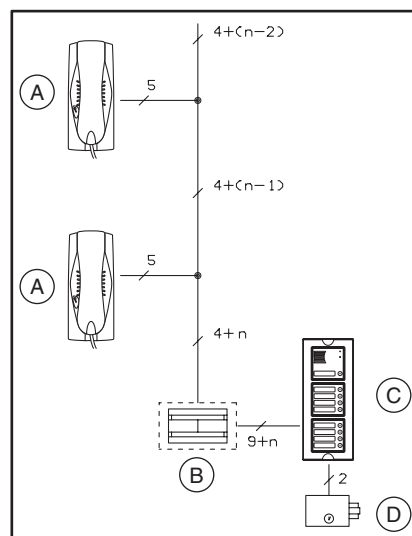
The system may implement either traditional or electronic call tone options.

Door phones with different designs and colour are available for 4+n wire electronic call systems.

The call tone is sent directly to the speaker used for normal communication with the door unit. The tone is a modulated two-tone note (1200 and 750 Hz) in this case.

Door phones with special functions can be used (privacy indicator and door monitoring LED, voice circuit on button, additional buttons directly on the door phone top). Various accessories are also available (three-tone gong, call volume adjustment kit, etc.).

Various doors phones can be connected one to the each other in addition to the door unit for making intercom systems.



#### KEY

- A: Door phone
- B: Power unit
- C: Panel
- D: Electrical lock

Traditional call systems are suitable for making new systems with call signal to a dedicated buzzer fitted inside the door phone.

This type of door phone is suitable for replacing 1030, 930 and 730 model door phone in existing systems and for making intercom systems.

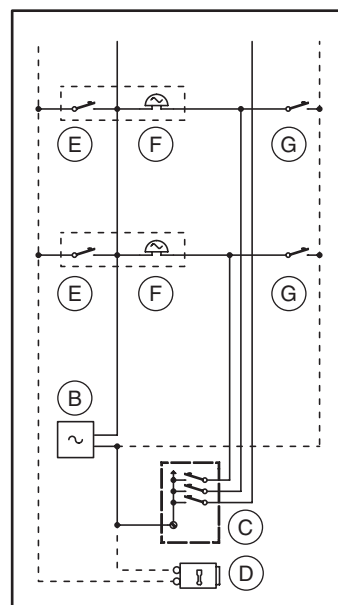
#### "1+1" wire systems

"1+1" wires systems are available with electronic call option only. These systems are characterised by simple wiring with only 2 wires for each user.

They are suitable for making new installations and are most appreciated for use in old buildings to replace an existing call only system (button and bell). The existing service can be transformed into a door phone system without adding wires to the column or in the apartments.

In this systems, only the called door phone can pick up the conversation with the visitor (no other users can cut into the call in progress) and open the electrical door lock.

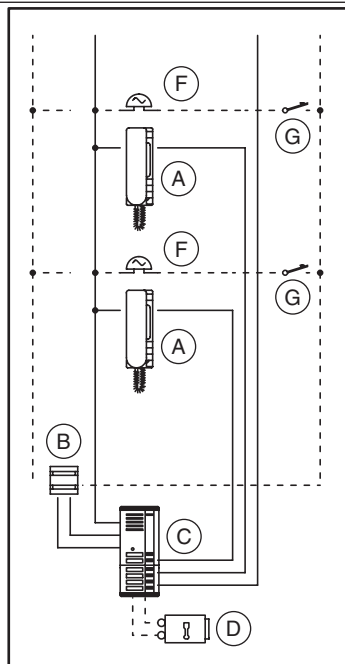
#### Existing call only system



#### KEY

- A: Door phone
- B: 12V transformer
- C: Panel
- D: Electrical lock
- E: Lock release button
- F: Apartment ringer
- G: Floor call button

### "1+1" wire door phone system



#### KEY

- A: Door phone
- B: 12V transformer
- C: Panel
- D: Electrical lock
- E: Lock release button
- F: Apartment ringer
- G: Floor call button

## VIDEO DOOR PHONE SYSTEMS

### Coax systems

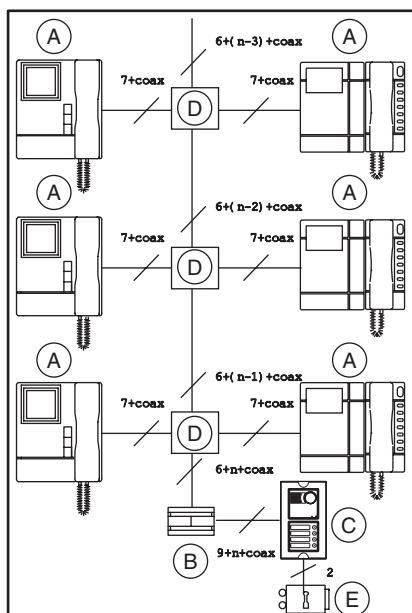
The construction of a coax video door phone system is similar to that of an electronic call "4+n" door phone system with the addition of video functions. The wires are the same as those shown for the door phone system with the addition of those needed to power the camera and the monitor, in addition to the coax cable for the video signal.

This system offers countless possible configurations for both black and white and colour installations; it is particularly indicated when there is a long distance between the camera and the monitors.

Apartment stations in coax systems can be connected one to another to make intercom systems.

Apartment stations in coax systems can be complemented with a wide range of accessories (three-tone gong, Scatlet picture memory module, supplementary buzzer, etc.).

Simple "4+n" door phones can be connected to the coax video door phone system for offering voice service only.



#### KEY

- A: Apartment station
- B: Power unit
- C: Video door unit
- D: Video distribution
- E: Electrical lock

### "5 wire" systems

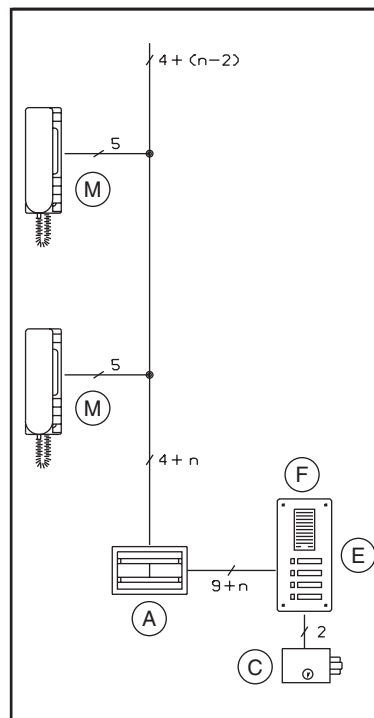
These systems are particularly suitable for new installations and for transforming existing door phone systems into video door phone systems without addition other wires in the column and the apartments.

Urmet Domus 5 wire video door phone systems (without coax) can be used to make video door phone systems with only 4 wires for powering the monitor and the video signal plus 1 wire for the call signal.

The picture only appears on the called monitor. Conversation is private. Users must have been called to connect to the door unit.

Simple "1+1" door phones can be connected to the 5 wire video door phone system for offering voice service only.

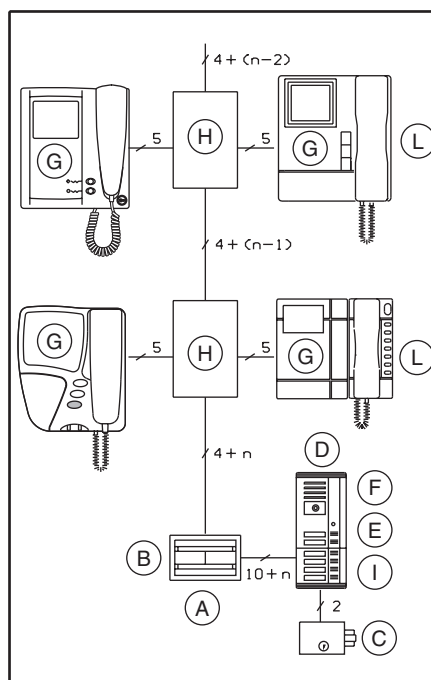
### Existing door phone system



#### KEY

- A: Door phone system power unit
- B: Video power unit
- C: Electrical lock
- D: Camera unit
- E: Door unit
- F: Panel

### 5 wire video door phone system



#### KEY

- G: Apartment station
- H: Distribution box
- I: Conversation privacy board
- L: Door phone (Ref. 1132/35)
- M: Door phone



# INSTALLATION DIAGRAMS

## DIAGRAM NOTES

### C1.001 - MINIMUM WIRE CROSS-SECTION AREAS (System with ref.1137/1)

| Maximum distance<br>between<br>transformer and<br>push-button panel | m     | 60  | 90   | 110 |
|---|-------|-----|------|-----|
| ~12, ~0, 1, 2   | sq.mm | 0,5 | 0,75 | 1   |

### C1.002 - MINIMUM WIRE CROSS-SECTION AREAS

| Distance m                  | 50   | 100  | 200 |
|-----------------------------|------|------|-----|
| Cross-section<br>area sq.mm | 0,35 | 0,75 | 1   |

Provide two wires for switching on the push-button panel light bulbs. Use a power transformer suitable to the number of light bulbs. The system transformer is sufficient for up to 2 bulbs (max 6 W).

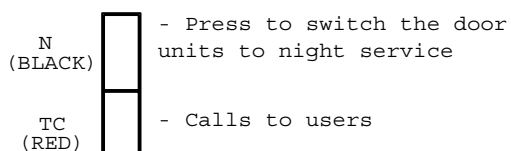
### C4.001 - MINIMUM WIRE CROSS-SECTION AREAS

| Distance                  | m     | 50  | 100 | 200 | 300 |
|---------------------------|-------|-----|-----|-----|-----|
| Voice and<br>call circuit | sq.mm | 0,5 | 0,5 | 0,8 | 1   |
| Door opening<br>circuit   | sq.mm | 0,5 | 0,8 | 1   | 1,6 |

- The indicated distance is between door unit and most distant door phone.
- Lay the wires at a suitable distance from power lines (as far away as possible).

Provide two wires for switching on the push-button panel light bulbs. Use a separate transformer suitable to the number of light bulbs. The system power unit is sufficient for up to 2 bulbs (max 6 W). Transformer ref. 9000/230 is recommended for up to 5 bulbs (max 15 W).

### C4.002- SWITCH ARRANGEMENT ON SWITCHBOARD



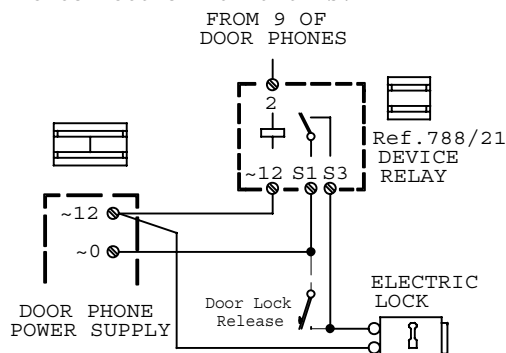
Important: Switch system setup E/T to position: .

### C4.003 - Terminal equivalence:

- T1 (Ref. 1132/1) = A (Ref. 1131/1).
- T2 (Ref. 1132/1) = B (Ref. 1131/1).
- T3 (Ref. 1132/1) = C (Ref. 1131/1).
- T4 (Ref. 1132/1) = D (Ref. 1131/1).

### C4.004 - Use auxiliary relay ref.788/21 for operating the lock in systems with long lines to avoid buzzing.

The connection variant is:



### C4.006 - Sinthesi models only:

- Connected jumper ... to ...

### C4.007 - Sinthesi models only:

See instruction booklet provided with product for connecting terminals G/T, ~0 and ~12 between modules.

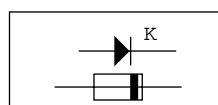
### C4.008 - K-Steel models only:

all connections are made with terminal boards.

### C4.012 - MINIMUM WIRE CROSS-SECTION AREAS

| Distance              | m     | 120  | 200  | 300 | 480 |
|-----------------------|-------|------|------|-----|-----|
| Diameter              | mm    | 0,5  | 0,65 | 0,8 | 1   |
| Cross-section<br>area | sq.mm | 0,20 | 0,8  | 1   | 1,6 |

### C4.014 - Check that the diode respects the polarisation shown in the diagram.



### C4.015 - Repeater door phone call input connections.

| Call repeater<br>Ref.1332/84 | Mod.1131<br>Mod.1132<br>Mod. Atlantico |                          | Mod.1130                 |                          |
|------------------------------|--|--------------------------|--------------------------|--------------------------|
|                              | "4+n"<br>wire<br>systems               | "1+1"<br>wire<br>systems | "4+n"<br>wire<br>systems | "1+1"<br>wire<br>systems |
| CA                           | CA                                     | 2                        | 7                        |                          |
| CA                           | CA                                     | 2                        | 7                        |                          |



**C4.016** - Sinthesi models only:  
The call forwarded LEDs on all panels light up when a call is in progress from any station.

**C4.017** - Sinthesi models only:  
The call forwarded LED of the secondary station in the column to which the call is directed lights up when a call from the main panel is in progress.

**C4.018** - K-Steel model door units only:  
- connect terminals ~0 and ~12 for name tag lighting.

### CY.001 - MINIMUM WIRE CROSS-SECTION AREAS AND DIAMETERS

| Distance               | m     | 50   | 100   | 200   |
|------------------------|-------|------|-------|-------|
| Voice and call circuit | Ø mm  | 8/10 | 10/10 | 12/10 |
|                        | Sq.mm | 0,5  | 0,8   | 1     |

**CY.002** - The power unit is dimensioned for an average system with 25 devices. With a higher number of devices, connect several power units in parallel (maximum 4) each of which will power its own group of 25 devices. You are recommended to arrange the power unit in the middle of each group of devices to minimise diaphony.

**CY.003** - The calling devices must be programmed with two digits (any number from 01 to 97).

**CY.004** - Add an amplifier with the following characteristics to set up the GENERAL CALLING service:

- Input sensitivity: 775 mV
- Power: According to the number of power of the speakers to be installed.

You are recommended to arrange the amplifier as close as possible to the power unit and connect it to the shielded wire.

### V5.001 - Wire cross-section area

| Maximum distance |     | m     | 50   | 100  | 200               |
|------------------|-----|-------|------|------|-------------------|
| Wires            | R1  | Sq.mm | 0,75 | 1,5  | 2,5               |
|                  | R2  | Sq.mm | 0,5  | 1,0  | 2,0               |
|                  | CA  | Sq.mm | 0,35 | 0,50 | 0,75              |
|                  | A,B | Sq.mm | 0,35 | 0,35 | 0,35 Double wires |

The diagrams indicate the distance between the camera and most distant video door phone unit.

Normal wires can be used for distances up to 100 metres. For higher distances (up to 200 metres) the wires A and B must be doubled.

**V5.002** - Provide two wires for switching on the push-button panel light bulbs.

Use a power transformer suitable to the number of light bulbs.

The system transformer is sufficient from up to two light bulbs (max 6 W). Use of transformer ref. 9000/230 is recommended for up to five bulbs (max 15 W).

**V5.003** - On the device, cut the wire connecting the G/T terminal to the printed circuit.

**V5.004** - On the last distributor, insert two 82 Ohm resistors (provided) between terminals R1-A and R1-B.

**VD.002** - See the chapter "Demister power" in the chosen product manual for K-Steel camera modules only.

**VD.007** = Floor call button.

# INSTALLATION DIAGRAMS DIAGRAM NOTES

**VX.001** - To use video distributor output U5, remove the 75 Ohm resistor fitted on the printed circuit.

**VX.002** - The power unit can power up to 10 distributors. Use one local power unit ref. 789/2 for each group of distributors (max. 20) after exceeding this limit.

## **VX.003** - MINIMUM WIRE CROSS-SECTION AREAS

| Distance                | m  | 50  | 100 | 200 | 300 |
|-------------------------|--|-----|-----|-----|-----|
| Normal Wires            | Sq.mm  | 0,5 | 0,8 | 1   | 1,6 |
| Wires R1,R2,+TC         | Sq.mm  | 0,8 | 1   | 1,6 | 2,5 |
| COAXIAL CABLE<br>75 Ohm | Use a normal coaxial wire for distances up to 300 m<br>Add a video amplifier for longer distances. |     |     |     |     |

Provide two wires for switching on the push-button panel light bulbs. Use a separate transformer suitable to the number of light bulbs. (Transformer ref. 9000/230 is recommended for up to 5 bulbs). The system power unit is sufficient for up to 2 bulbs.

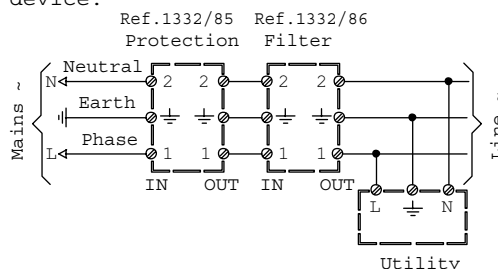
**VX.004** - Various examples of coaxial cable connection: see diagram SV102-1613.

**VX.005** - See diagram Ö for connecting Scaitel video door phones to replace Sentry or Winflat models.

**VX.006** - See the instruction book provided with the product for fitting the accessory in the device.

**VX.007** - The cross-section area of the wires indicated with **—** must be double.

**VX.008** - Connect the devices to a filter and power line protection device.



**VX.010** - No more than 20 monitors should be connected to each column; add video distributors to the camera output or other device if there are more devices.

**VX.011** - Close the coaxial wire on the last monitor in the riser with a 75 Ohm resistance between terminals V4 and V5.

**VX.012** - Relay ref. 788/5 is needed to prevent that a video door phone can be switched on while another device is working and interrupt vision. Connect the PS wire directly to the monitor X1 terminals if the relay is not fitted.

**VX.013** - Connect the switch-off circuit ref. 5330/60 in the push-button panel and connect wire SN (brown) to the button common. Cut and isolate wire 1 (red).

**VX.014** - Dusk switch or similar device for switching lights on, where relevant.

**VX.015** - The power unit ref. 8500 can power up to 20 devices.  
Use another power unit for each group of 20 devices if the system exceed this capacity.

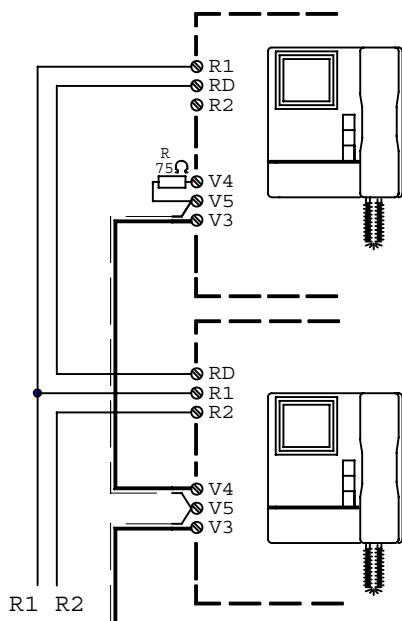
**VX.017** - Separate the panel button common.  
Push-button panel ref.725 is recommended.

**VX.018** - Connect the following jumpers on the device:  
a) ..... with .....  
b) ..... with .....  
c) ..... with .....

**VX.021** - Cut or remove the jumpers on the device(s):  
- .....  
- .....  
-.....

**VX.023** - Terminal equivalence:  
- RT (Sentry) = RD (Winflat).

**VX.025**  
EXAMPLE OF POWER CONNECTION WITH WINFLAT VIDEO DOOR PHONES





# **BASIC DIAGRAMS FOR 4+N WIRE ELECTRONIC DOOR PHONE SYSTEMS**

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## DOOR PHONE AND VIDEO DOOR PHONE SYSTEM - DIAGRAM



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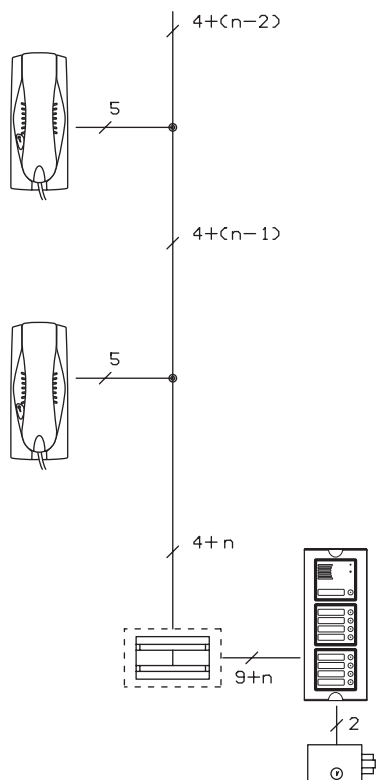
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# CONNECTION OF SEVERAL HOUSE PHONES TO 1 DOOR UNIT Mod. SINTHESI or Mod. K-STEEL



## FUNCTION

Pressing one of the external panel buttons, the bitonal electronic call is sent to the correspondent house phone loudspeaker. When the called house phone handset is unhooked, contact is established and conversation may take place. To operate the electric lock it is sufficient to press the proper push button.



## EQUIPMENT

The following devices are needed for the system illustrated in diagram SC101-1133A:

### HOUSE PHONE REFERENCES

|      |                             |              |                     |
|------|-----------------------------|--------------|---------------------|
| N. X | House phones Mod. Atlantico | White colour | <b>Ref. 1133</b>    |
|      | or:                         |              |                     |
| N. X | House phones Mod. 1132      | White colour | <b>Ref. 1132</b>    |
|      |                             | Black colour | <b>Ref. 1132/40</b> |
|      | or:                         |              |                     |
| N. X | House phones Mod. 1131      | White colour | <b>Ref. 1131</b>    |

### POWER SUPPLY REFERENCES

|      |  |                                    |
|------|--|------------------------------------|
| N. 1 | Power supply, available in the following versions: |                                    |
|      | 28VA for bar mounting                              | <b>Ref. 786/1A or Ref. 786/14A</b> |
|      | or:  |                                    |
|      | 38VA for bar mounting                              | <b>Ref. 786/38A</b>                |

### OUTDOOR STATION REFERENCES

#### Sinthesi model

|      |                              |                                 |
|------|------------------------------|---------------------------------|
| N. Y | Button modules               | <b>Ref. 1145/11-/12-/13-/14</b> |
| N. 1 | Module with door unit set-up | <b>Ref. 1145/20-/21-/22</b>     |
| N. 1 | Amplified door unit          | <b>Ref. 1145/500</b>            |

The panels must be installed in flush-mounting boxes with module holder frames or in cases with hood for wall-mounted versions. Refer to section 2a of technical manual MT101-013 for respective diagrams and installation methods.

or:

#### K-steel model

|      |                       |                                 |
|------|-----------------------|---------------------------------|
| N. Y | Button modules        | <b>Ref. 1155/11-/12-/13-/14</b> |
| N. 1 | Module with door unit | <b>Ref. 1155/20-/21-/22</b>     |

The panels must be installed in flush-mounting boxes with module holder frames or in cases with hood for wall-mounted versions. Refer to section 2b of technical manual MT101-013 for respective diagrams and installation methods.

## DIAGRAM NOTES

(see section 1)

**C4.001**

**C4.004**

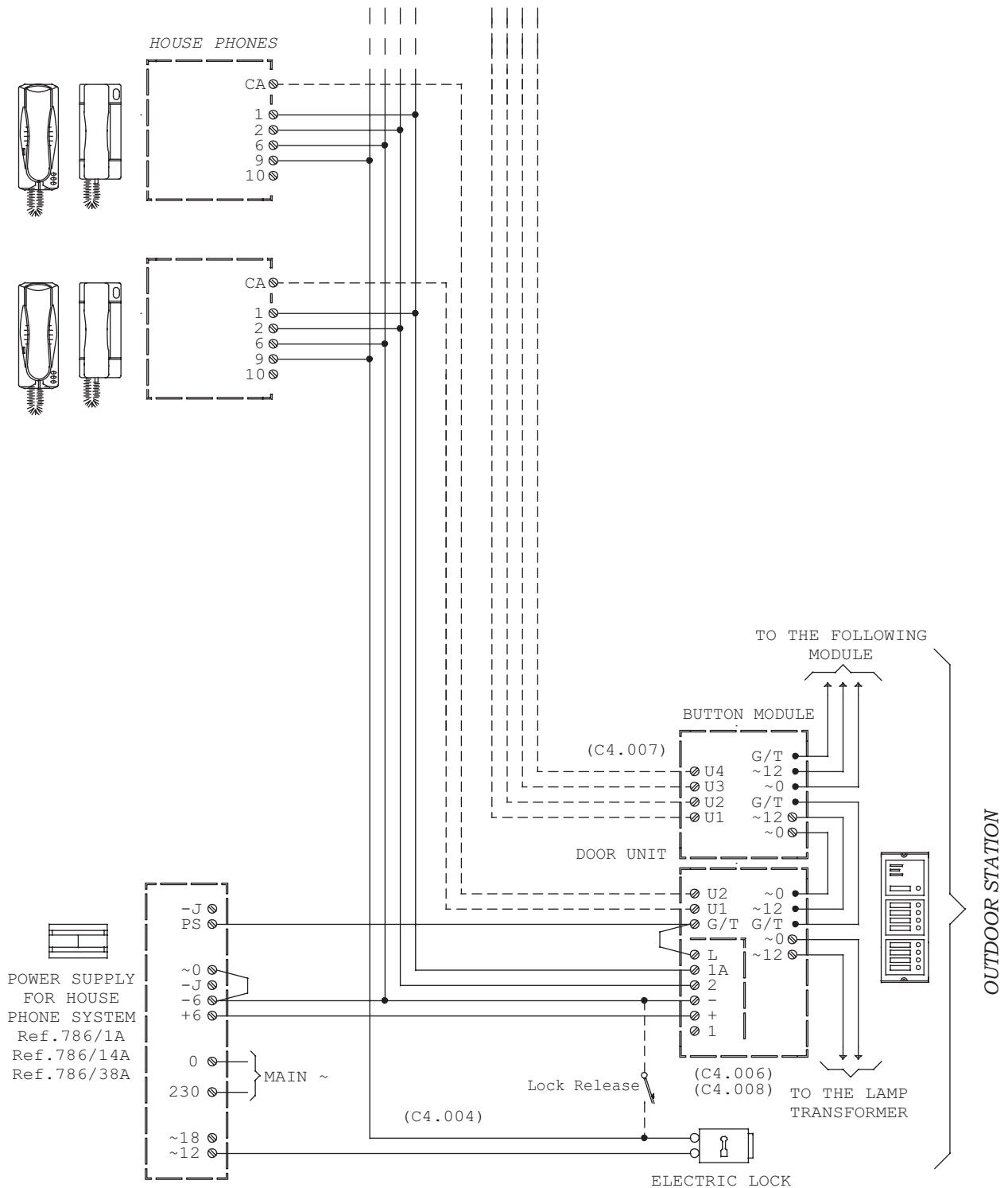
**C4.006**

Sinthesi models only:  
Connect jumper L with G/T.

**C4.007**

**C4.008**



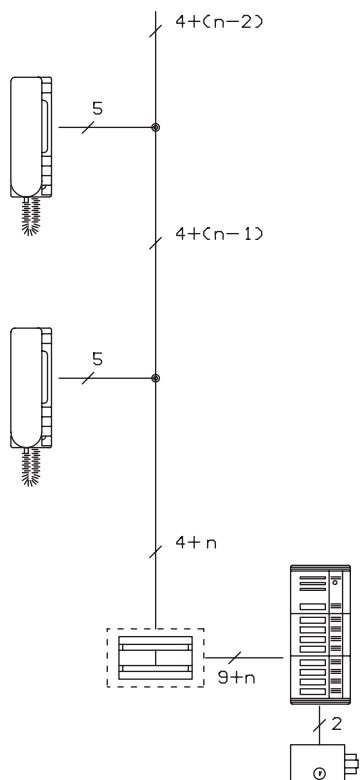


# CONNECTION OF HOUSE PHONES TO AN OUTDOOR STATION Mod. KOMBI or Mod. 725

**urmet**  
DOMUS

## FUNCTION

Pressing one of the external panel buttons, the bitonal electronic call is sent to the correspondent house phone loudspeaker. When the called house phone handset is unhooked, contact is established and conversation may take place. To operate the electric lock it is sufficient to press the proper push button.



## EQUIPMENT

The following devices are needed for the system illustrated in diagram SC101-0245E:

### HOUSE PHONE REFERENCES

|      |                             |              |                     |
|------|-----------------------------|--------------|---------------------|
| N. X | House phones Mod. Atlantico | White colour | <b>Ref. 1133</b>    |
|      | or:                         |              |                     |
| N. X | House phones Mod. 1132      | White colour | <b>Ref. 1132</b>    |
|      |                             | Black colour | <b>Ref. 1132/40</b> |
|      | or:                         |              |                     |
| N. X | House phones Mod. 1131      | White colour | <b>Ref. 1131</b>    |

### POWER SUPPLY REFERENCES

|      |  |                                    |
|------|--|------------------------------------|
| N. 1 | Power supply, available in the following versions: |                                    |
|      | 28VA for bar mounting                              | <b>Ref. 786/1A or Ref. 786/14A</b> |
|      | or:  |                                    |
|      | 38VA for bar mounting                              | <b>Ref. 786/38A</b>                |

### OUTDOOR STATION REFERENCES

#### Kombi model

|      |                              |                                    |
|------|------------------------------|------------------------------------|
| N. Y | Button modules               | <b>Ref. 825/201-/202-/203-/204</b> |
| N. 1 | Module with door unit set-up | <b>Ref. 825/210-/211-/212</b>      |
| N. 1 | Amplified door unit          | <b>Ref. 824/500</b>                |

The panels must be installed in flush-mounting boxes with module frames or in cases with hood for wall-mounted versions. Refer to section 2d of technical manual MT101-013 for respective diagrams and installation methods.

or:

#### 725 model

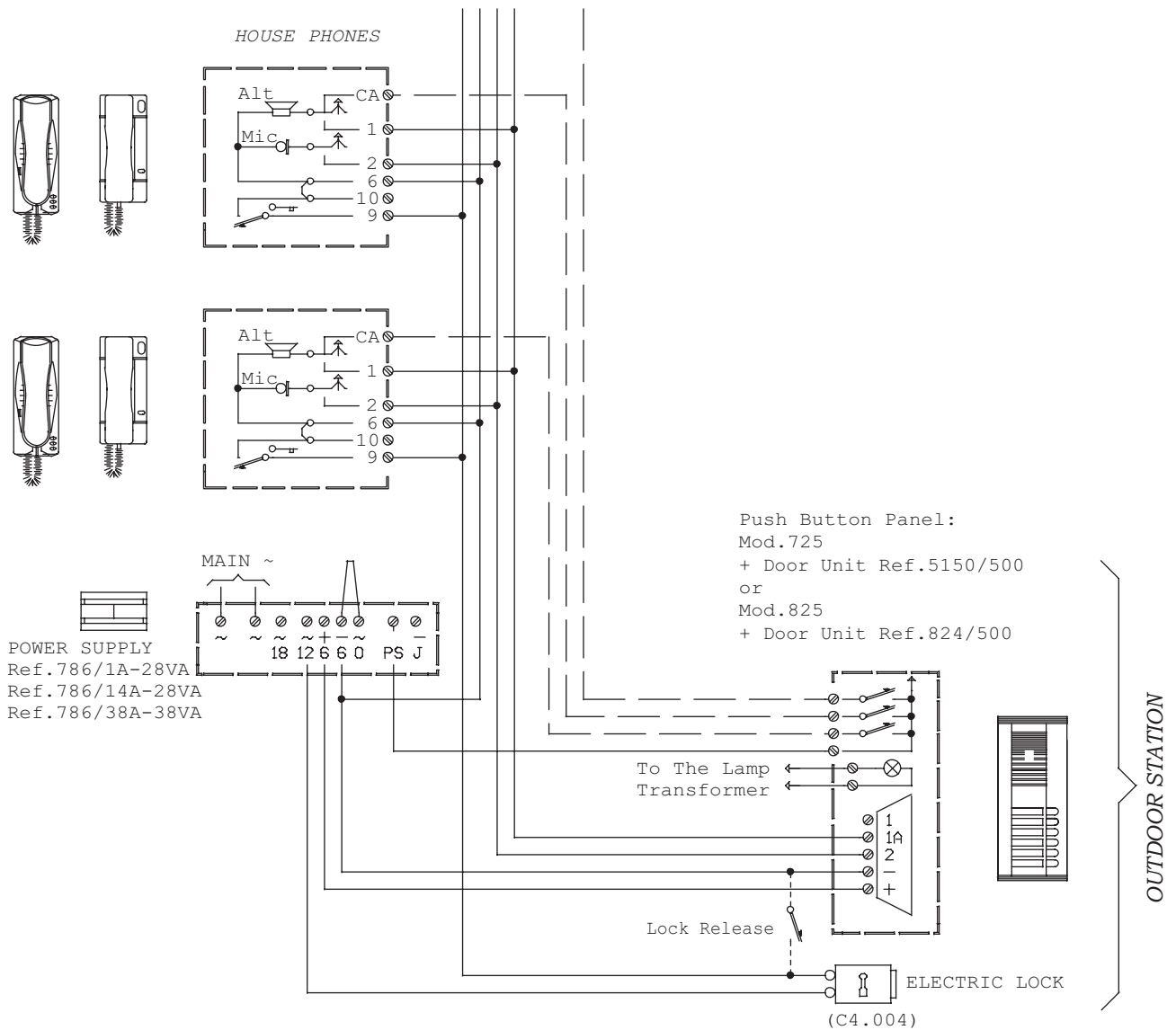
|      |                      |                      |
|------|----------------------|----------------------|
| N. 1 | Panel with N buttons | <b>Mod. 725</b>      |
| N. 1 | Amplified door unit  | <b>Ref. 5150/500</b> |

## DIAGRAM NOTES

(see section 1)

C4.001

C4.004



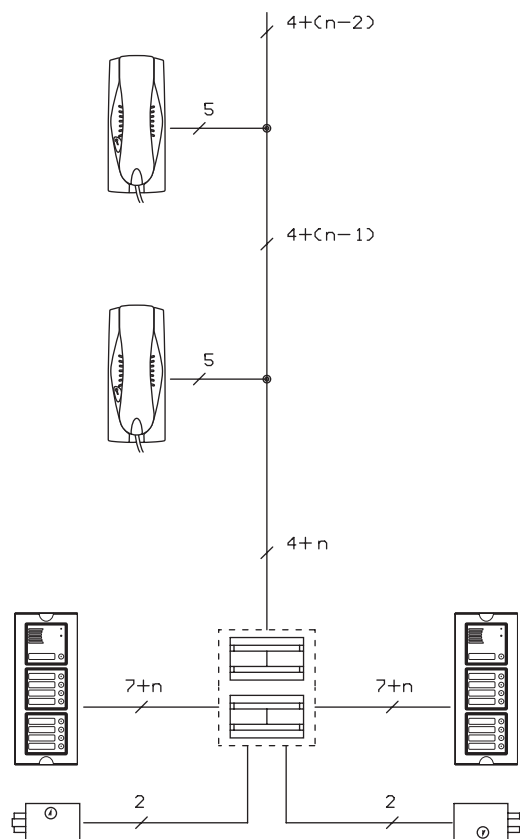
# CONNECTION OF HOUSE PHONES TO TWO OUTDOOR STATIONS, Mod. SINTHESI or Mod. K-STEEL

**urmet**  
DOMUS

## FUNCTION

This type of installation solves the problem to connect a series of house phones of a building with 2 entrances each one equipped with a push button panel.

This solution permits, by simply pushing a button from one of the 2 push button panels, to connect automatically the user to the calling push button panels unhooking the handset. This type of installation does not allow to talk from both outdoor stations simultaneously, since they work alternatively.



## EQUIPMENT

The following devices are needed for the system illustrated in diagram SC101-1217:

### HOUSE PHONE REFERENCES

|      |                             |              |                     |
|------|-----------------------------|--------------|---------------------|
| N. X | House phones Mod. Atlantico | White colour | <b>Ref. 1133</b>    |
|      | or:                         |              |                     |
| N. X | House phones Mod. 1132      | White colour | <b>Ref. 1132</b>    |
|      |                             | Black colour | <b>Ref. 1132/40</b> |
|      | or:                         |              |                     |
| N. X | House phones Mod. 1131      | White colour | <b>Ref. 1131</b>    |

### POWER SUPPLY AND RELAY REFERENCES

|      |  |                     |
|------|--|---------------------|
| N. 1 | Power supply, available in the following versions: |                     |
|      | 28VA for bar mounting                              | <b>Ref. 786/1A</b>  |
|      | or:  |                     |
|      | 38VA for bar mounting                              | <b>Ref. 786/38A</b> |
| N. 1 | Relay box for automatic switching                  | <b>Ref. 788/1</b>   |

### OUTDOOR STATION REFERENCES

#### Sinthesi model

|      |                              |                                 |
|------|------------------------------|---------------------------------|
| N. Y | Button modules               | <b>Ref. 1145/11-/12-/13-/14</b> |
| N. 2 | Module with door unit set-up | <b>Ref. 1145/20-/21-/22</b>     |
| N. 2 | Amplified door unit          | <b>Ref. 1145/500</b>            |

The panels must be installed in flush-mounting boxes with module holder frames or in cases with hood for wall-mounted versions. Refer to section 2a of technical manual MT101-013 for respective diagrams and installation methods.

or:

#### K-steel model

|      |                       |                                 |
|------|-----------------------|---------------------------------|
| N. Y | Button modules        | <b>Ref. 1155/11-/12-/13-/14</b> |
| N. 2 | Module with door unit | <b>Ref. 1155/20-/21-/22</b>     |

The panels must be installed in flush-mounting boxes with module holder frames or in cases with hood for wall-mounted versions. Refer to section 2b of technical manual MT101-013 for respective diagrams and installation methods.

## DIAGRAM NOTES

(see section 1)

**C4.001**

**C4.006**

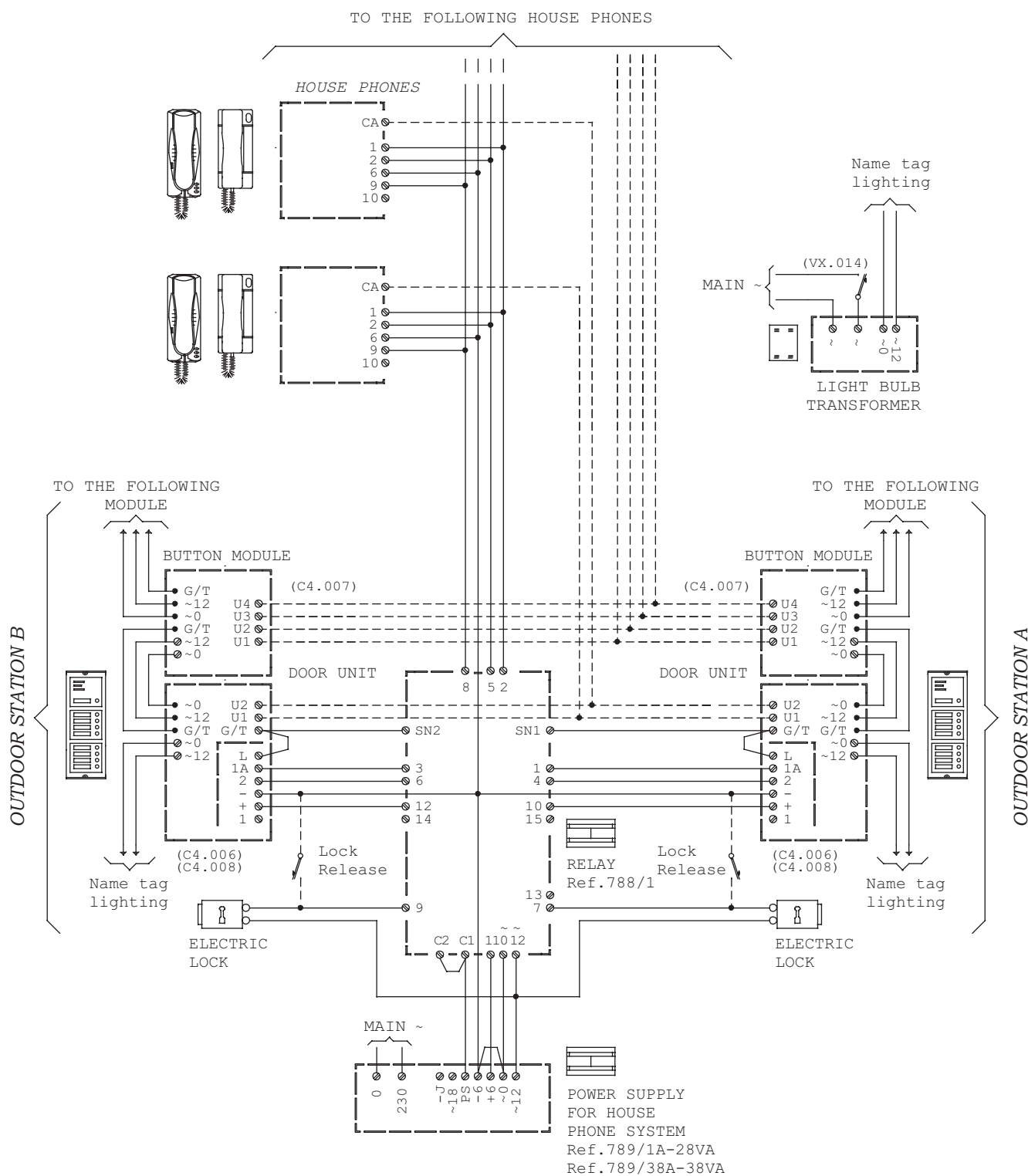
Sinthesi models only:  
Connect jumper L with G/T.

**C4.007**

**C4.008**

**C4.016**

**VX.014**



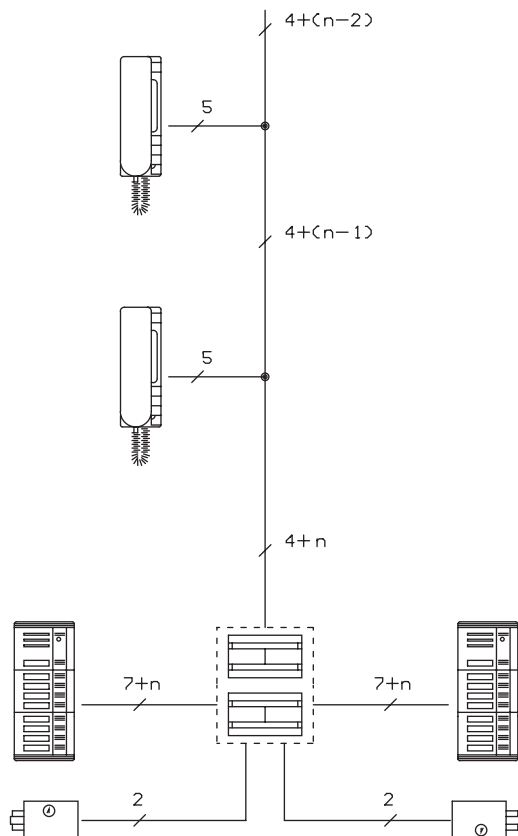
# CONNECTION OF HOUSE PHONES TO TWO OUTDOOR STATIONS, Mod. KOMBI or Mod. 725



## FUNCTION

This type of installation solves the problem to connect a series of house phones of a building with 2 entrances each one equipped with a push button panel.

This solution permits, by simply pushing a button from one of the 2 push button panels, to connect automatically the user to the calling push button panels unhooking the handset. This type of installation does not allow to talk from both outdoor stations simultaneously, since they work alternatively.



## EQUIPMENT

The following devices are needed for the system illustrated in diagram SC101-0243C:

### HOUSE PHONE REFERENCES

|      |                             |              |                     |
|------|-----------------------------|--------------|---------------------|
| N. X | House phones Mod. Atlantico | White colour | <b>Ref. 1133</b>    |
|      | or:                         |              |                     |
| N. X | House phones Mod. 1132      | White colour | <b>Ref. 1132</b>    |
|      |                             | Black colour | <b>Ref. 1132/40</b> |
|      | or:                         |              |                     |
| N. X | House phones Mod. 1131      | White colour | <b>Ref. 1131</b>    |

### POWER SUPPLY AND RELAY REFERENCES

|      |   |                                    |
|------|---|------------------------------------|
| N. 1 | Power supply, available in the following versions:<br>28VA for bar mounting | <b>Ref. 786/1A or Ref. 786/14A</b> |
|      | or:   |                                    |
|      | 38VA for bar mounting   | <b>Ref. 786/38A</b>                |
| N. 1 | Relay box for automatic switching   | <b>Ref. 788/1</b>                  |

### OUTDOOR STATION REFERENCES

#### Kombi model

|      |                              |                                    |
|------|------------------------------|------------------------------------|
| N. Y | Button modules               | <b>Ref. 825/201-/202-/203-/204</b> |
| N. 2 | Module with door unit set-up | <b>Ref. 825/210-/211-/212</b>      |
| N. 2 | Amplified door unit          | <b>Ref. 824/500</b>                |

The panels must be installed in flush-mounting boxes with module frames or in cases with hood for wall-mounted versions. Refer to section 2d of technical manual MT101-013 for respective diagrams and installation methods.

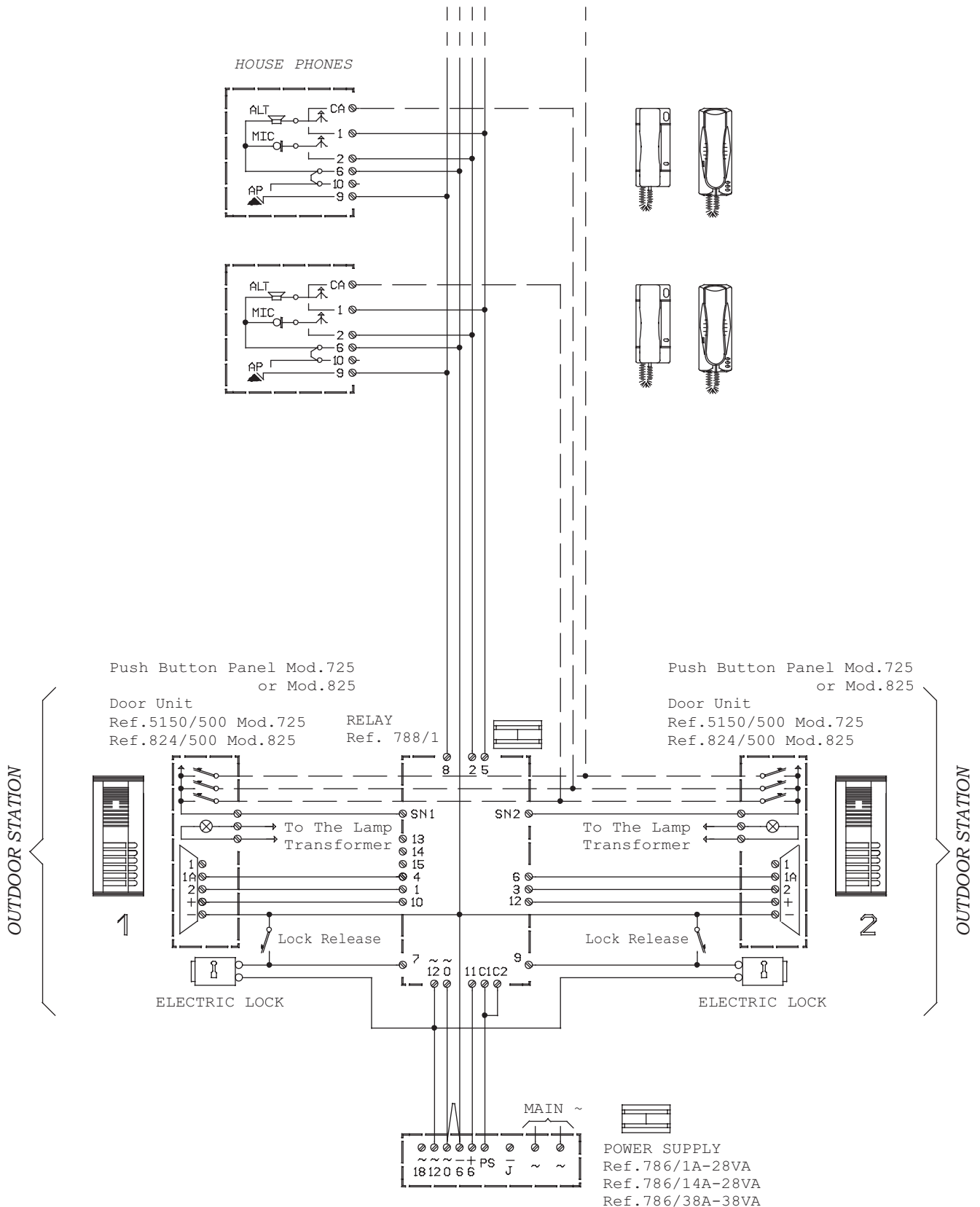
or:

#### 725 model

|      |                      |                      |
|------|----------------------|----------------------|
| N. 2 | Panel with N buttons | <b>Mod. 725</b>      |
| N. 2 | Amplified door unit  | <b>Ref. 5150/500</b> |

## DIAGRAM NOTES

(see section 1)  
C4.001



# CONNECTION OF HOUSE PHONES TO FOUR OUTDOOR STATIONS Mod. SINTHESI or Mod. K-STEEL

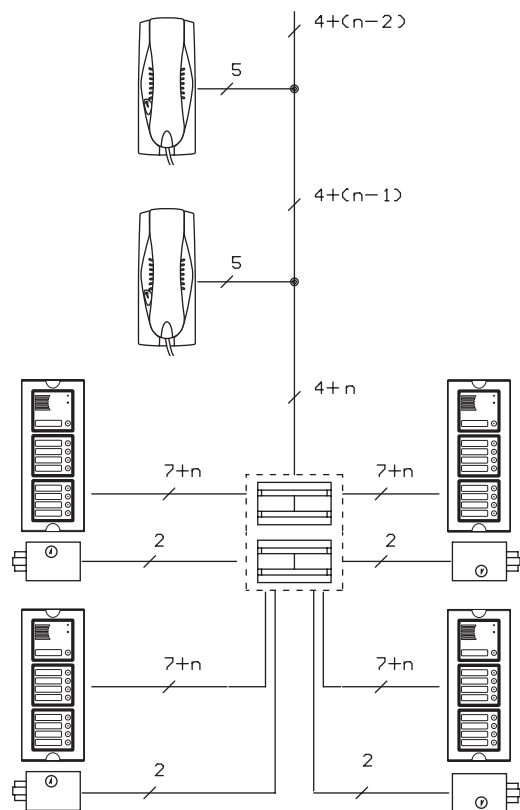
**urmet**  
DOMUS

## FUNCTION

This installation allows connection of a series of house phone to 4 push button panels.

By simply pushing a button on one of the 4 panels, the called house phone, picking up the handset, is automatically connected with the calling push button panel.

It is not possible to talk from the outdoor stations simultaneously, since they work alternatively.



## EQUIPMENT

The following devices are needed for the system illustrated in diagram SC101-1209A:

### HOUSE PHONE REFERENCES

|      |                             |              |                     |
|------|-----------------------------|--------------|---------------------|
| N. X | House phones Mod. Atlantico | White colour | <b>Ref. 1133</b>    |
|      | or:                         |              |                     |
| N. X | House phones Mod. 1132      | White colour | <b>Ref. 1132</b>    |
|      | or:                         | Black colour | <b>Ref. 1132/40</b> |
| N. X | House phones Mod. 1131      | White colour | <b>Ref. 1131</b>    |

### POWER SUPPLY AND RELAY REFERENCES

|      |  |                     |
|------|--|---------------------|
| N. 1 | Power supply, available in the following versions: |                     |
|      | 28VA for bar mounting                              | <b>Ref. 786/1A</b>  |
|      | or:  |                     |
|      | 38VA for bar mounting                              | <b>Ref. 786/38A</b> |
| N. 1 | Relay box for automatic switching                  | <b>Ref. 788/8</b>   |

### OUTDOOR STATION REFERENCES

#### Sinthesi model

|      |                              |                                 |
|------|------------------------------|---------------------------------|
| N. Y | Button modules               | <b>Ref. 1145/11-/12-/13-/14</b> |
| N. 4 | Module with door unit set-up | <b>Ref. 1145/20-/21-/22</b>     |
| N. 4 | Amplified door unit          | <b>Ref. 1145/500</b>            |

The panels must be installed in flush-mounting boxes with module holder frames or in cases with hood for wall-mounted versions. Refer to section 2a of technical manual MT101-013 for respective diagrams and installation methods.

or:

#### K-steel model

|      |                       |                                 |
|------|-----------------------|---------------------------------|
| N. Y | Button modules        | <b>Ref. 1155/11-/12-/13-/14</b> |
| N. 4 | Module with door unit | <b>Ref. 1155/20-/21-/22</b>     |

The panels must be installed in flush-mounting boxes with module holder frames or in cases with hood for wall-mounted versions. Refer to section 2b of technical manual MT101-013 for respective diagrams and installation methods.

## DIAGRAM NOTES

(see section 1)

**C4.001**

**C4.006**

Sinthesi models only:  
Connect jumper L with G/T.

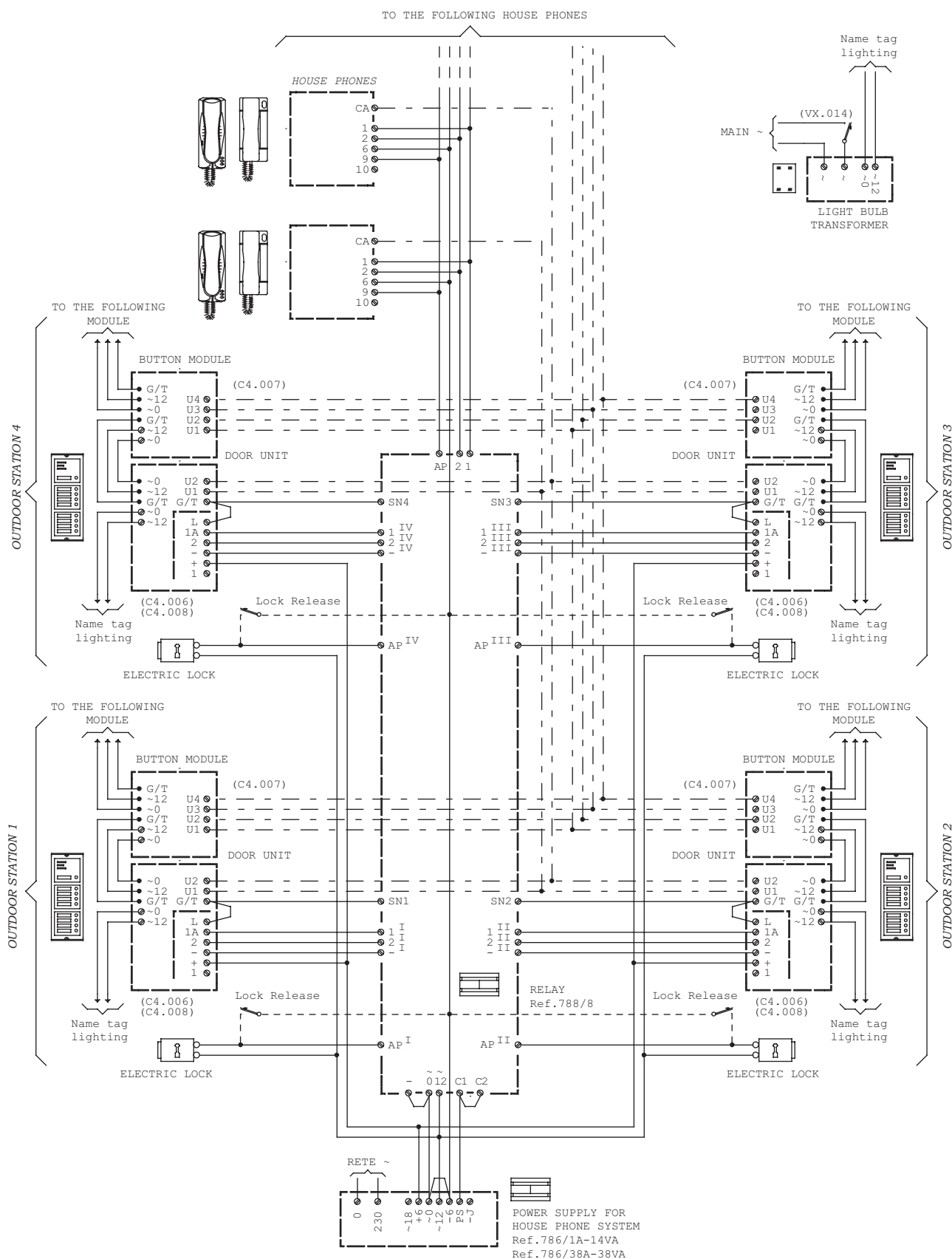
**C4.007**

**C4.008**

**C4.016**

**VX.014**



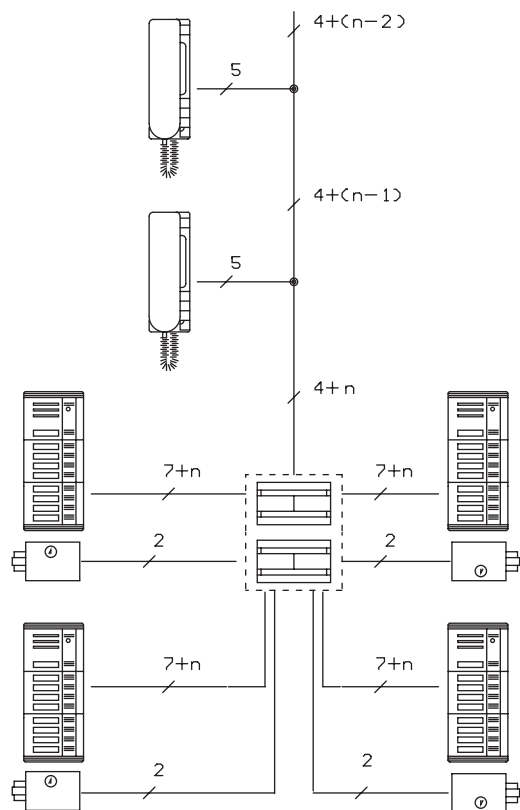


# CONNECTION OF HOUSE PHONES TO FOUR OUTDOOR STATIONS Mod. KOMBI or Mod. 725



## FUNCTION

This installation allows connection of a series of house phone to 4 push button panels.  
By simply pushing a button on one of the 4 panels, the called house phone, picking up the handset, is automatically connected with the calling push button panel.  
It is not possible to talk from the outdoor stations simultaneously, since they work alternatively.



## EQUIPMENT

The following devices are needed for the system illustrated in diagram SC101-0443C:

### HOUSE PHONE REFERENCES

|      |                             |              |                     |
|------|-----------------------------|--------------|---------------------|
| N. X | House phones Mod. Atlantico | White colour | <b>Ref. 1133</b>    |
|      | or:                         |              |                     |
| N. X | House phones Mod. 1132      | White colour | <b>Ref. 1132</b>    |
|      |                             | Black colour | <b>Ref. 1132/40</b> |
|      | or:                         |              |                     |
| N. X | House phones Mod. 1131      | White colour | <b>Ref. 1131</b>    |

### POWER SUPPLY AND RELAY REFERENCES

|      |   |                                    |
|------|---|------------------------------------|
| N. 1 | Power supply, available in the following versions:<br>28VA for bar mounting | <b>Ref. 786/1A or Ref. 786/14A</b> |
|      | or:   |                                    |
|      | 38VA for bar mounting   | <b>Ref. 786/38A</b>                |
| N. 1 | Relay box for automatic switching   | <b>Ref. 788/8</b>                  |

### OUTDOOR STATION REFERENCES

#### Kombi model

|      |                              |                                    |
|------|------------------------------|------------------------------------|
| N. Y | Button modules               | <b>Ref. 825/201-/202-/203-/204</b> |
| N. 4 | Module with door unit set-up | <b>Ref. 825/210-/211-/212</b>      |
| N. 4 | Amplified door unit          | <b>Ref. 824/500</b>                |

The panels must be installed in flush-mounting boxes with module frames or in cases with hood for wall-mounted versions. Refer to section 2d of technical manual MT101-013 for respective diagrams and installation methods.

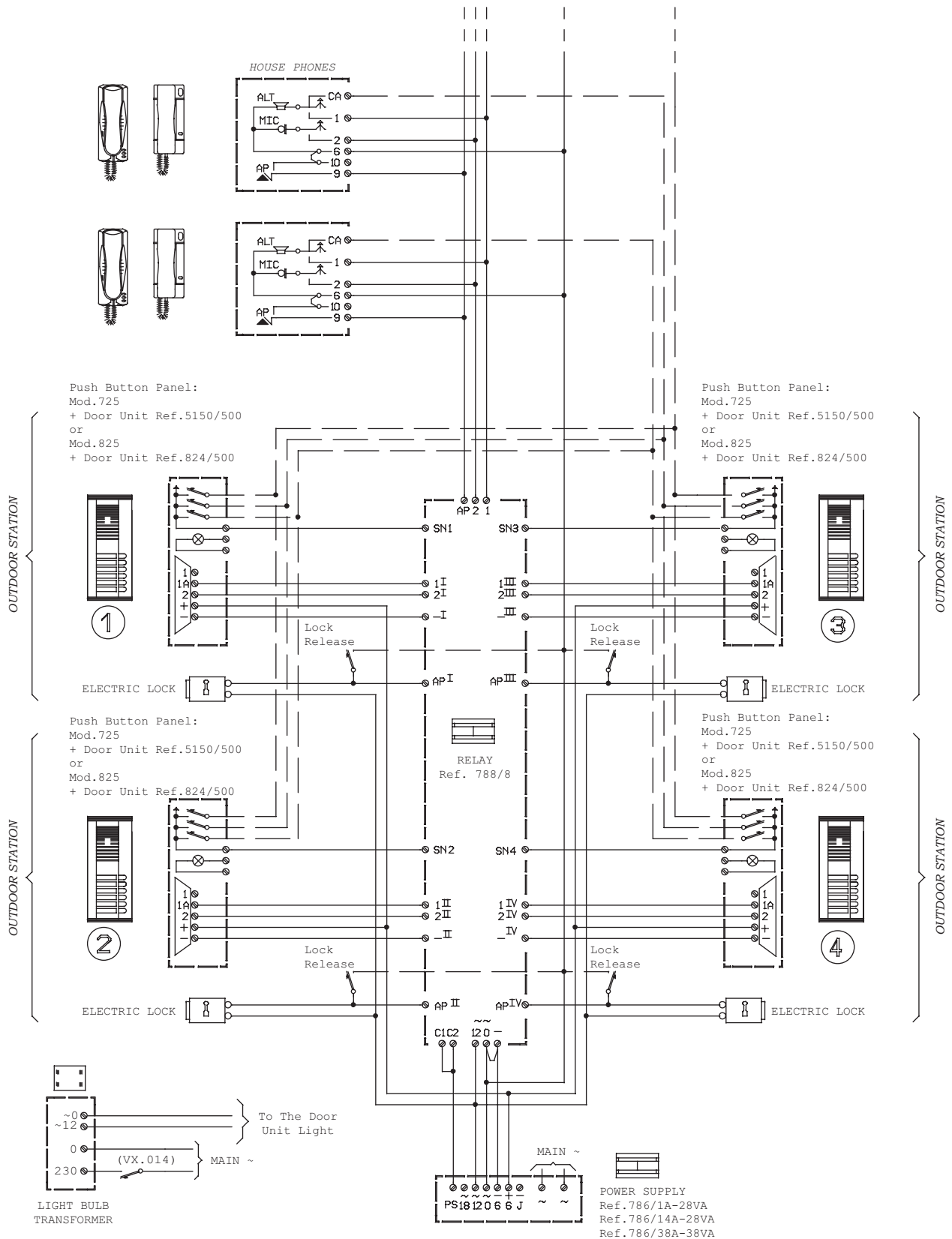
or:

#### 725 model

|      |                      |                      |
|------|----------------------|----------------------|
| N. 4 | Panel with N buttons | <b>Mod. 725</b>      |
| N. 4 | Amplified door unit  | <b>Ref. 5150/500</b> |

## DIAGRAM NOTES

(see section 1)  
C4.001  
VX.014



## CONNECTION OF SEVERAL GROUPS OF HOUSE PHONES TO A COMMON OUTDOOR STATION

Each group is also connected to its own secondary outdoor station

**urmet**  
DOMUS

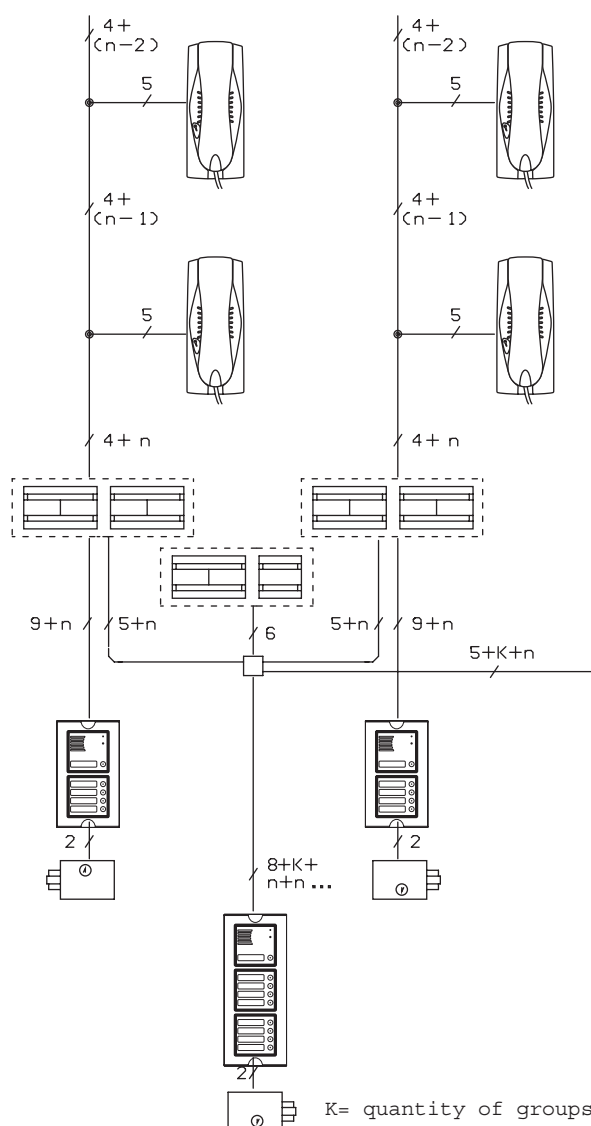
### FUNCTION

It is the ideal solution for residential centers where the single villas have to be connected to both their own outdoor stations and a common one at the main entrance.

During the call the concerned house phone is automatically switched to the common outdoor station or to the one of the group it belongs to, by means of a switching relay.

Services towards secondary outdoor stations are independent and can therefore take place at the same time.

When the call comes from the common outdoor station, only the group the called house phone belongs to is switched to it, the others being able to carry on the normal service with their own secondary outdoor stations.



### EQUIPMENT

The following devices are needed for the system illustrated in diagram SC101-1240:

#### HOUSE PHONE REFERENCES

|      |                             |              |                     |
|------|-----------------------------|--------------|---------------------|
| N. X | House phones Mod. Atlantico | White colour | <b>Ref. 1133</b>    |
|      | or:                         |              |                     |
| N. X | House phones Mod. 1132      | White colour | <b>Ref. 1132</b>    |
|      | or:                         | Black colour | <b>Ref. 1132/40</b> |
| N. X | House phones Mod. 1131      | White colour | <b>Ref. 1131</b>    |

#### POWER SUPPLY AND RELAY REFERENCES

|      |  |                     |
|------|--|---------------------|
| N. 1 | Power supply, available in the following versions: |                     |
|      | 28VA for bar mounting                              | <b>Ref. 786/1A</b>  |
|      | or:  |                     |
|      | 38VA for bar mounting                              | <b>Ref. 786/38A</b> |
| N. K | Power supply 28VA for bar mounting                 | <b>Ref. 786/1A</b>  |
| N. K | Relay box for automatic switching                  | <b>Ref. 788/1</b>   |
| N. 1 | Relay box  | <b>Ref. 788/21</b>  |

#### OUTDOOR STATION REFERENCES

##### Sinthesi model

|        |                              |                                 |
|--------|------------------------------|---------------------------------|
| N. Y   | Button modules               | <b>Ref. 1145/11-/12-/13-/14</b> |
| N. K+1 | Module with door unit set-up | <b>Ref. 1145/20-/21-/22</b>     |
| N. K+1 | Amplified door unit          | <b>Ref. 1145/500</b>            |

The panels must be installed in flush-mounting boxes with module holder frames or in cases with hood for wall-mounted versions. Refer to section 2a of technical manual MT101-013 for respective diagrams and installation methods.

or:

##### K-steel model

|        |                       |                                 |
|--------|-----------------------|---------------------------------|
| N. Y   | Button modules        | <b>Ref. 1155/11-/12-/13-/14</b> |
| N. K+1 | Module with door unit | <b>Ref. 1155/20-/21-/22</b>     |

The panels must be installed in flush-mounting boxes with module holder frames or in cases with hood for wall-mounted versions. Refer to section 2b of technical manual MT101-013 for respective diagrams and installation methods.

(K = quantity of groups)

### DIAGRAM NOTES

(see section 1)

**C4.001**

**C4.006**

Sinthesi models only:  
Connect jumper L with G/T.

**C4.007**

**C4.008**

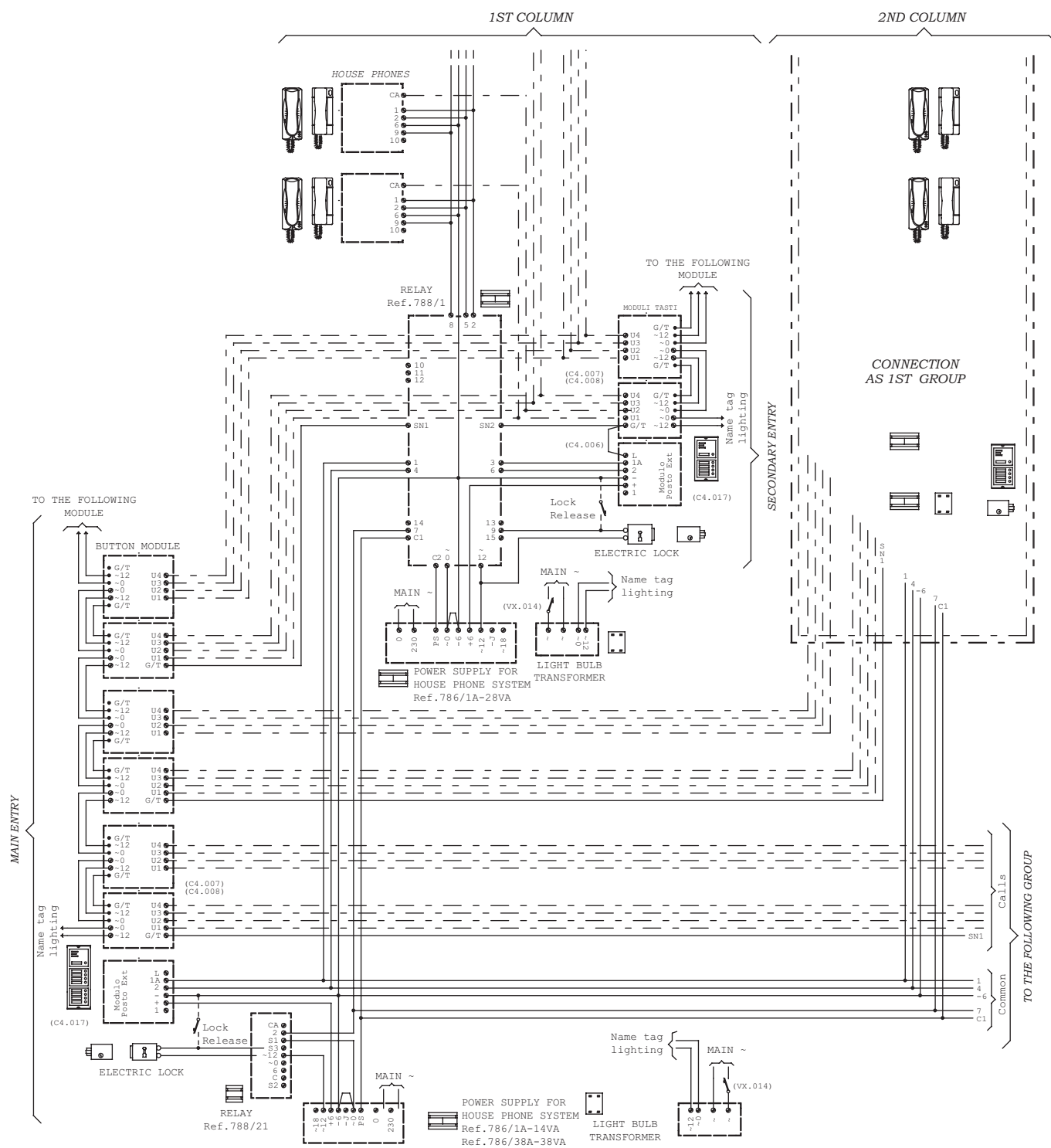
**C4.017**

**VX.014**

# CONNECTION OF SEVERAL GROUPS OF HOUSE PHONES TO A COMMON OUTDOOR STATION

Each group is also connected to its own secondary outdoor station

SC101-1240



## CONNECTION OF SEVERAL GROUPS OF HOUSE PHONES TO A COMMON OUTDOOR STATION

Each group is also connected to its own secondary outdoor station

**urmet**  
DOMUS

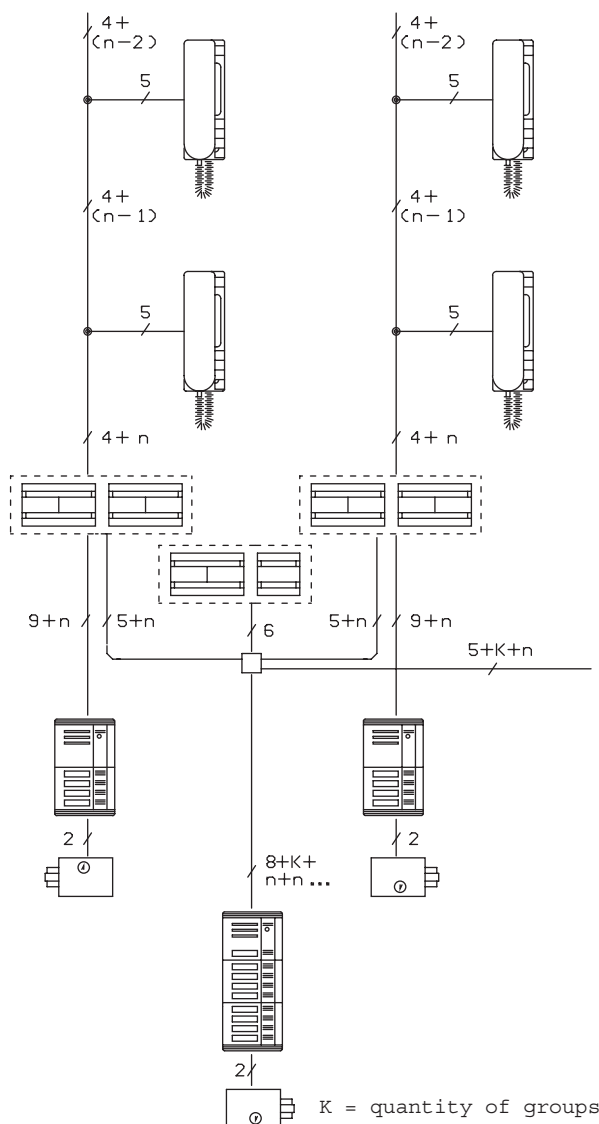
### FUNCTION

It is the ideal solution for residential centers where the single villas have to be connected to both their own outdoor stations and a common one at the main entrance.

During the call the concerned house phone is automatically switched to the common outdoor station or to the one of the group it belongs to, by means of a switching relay.

Services towards secondary outdoor stations are independent and can therefore take place at the same time.

When the call comes from the common outdoor station, only the group the called house phone belongs to is switched to it, the others being able to carry on the normal service with their own secondary outdoor stations.



### EQUIPMENT

The following devices are needed for the system illustrated in diagram SC101-0366D:

#### HOUSE PHONE REFERENCES

|      |                             |              |                     |
|------|-----------------------------|--------------|---------------------|
| N. X | House phones Mod. Atlantico | White colour | <b>Ref. 1133</b>    |
|      | or:                         |              |                     |
| N. X | House phones Mod. 1132      | White colour | <b>Ref. 1132</b>    |
|      | or:                         | Black colour | <b>Ref. 1132/40</b> |
| N. X | House phones Mod. 1131      | White colour | <b>Ref. 1131</b>    |

#### POWER SUPPLY AND RELAY REFERENCES

|        |  |                                    |
|--------|--|------------------------------------|
| N. 1+K | Power supply, available in the following versions: |                                    |
|        | 28VA for bar mounting                              | <b>Ref. 786/1A or Ref. 786/14A</b> |
|        | or:  |                                    |
|        | 38VA for bar mounting                              | <b>Ref. 786/38A</b>                |
| N. K   | Relay box for automatic switching                  | <b>Ref. 788/1</b>                  |
| N. 1   | Relay box  | <b>Ref. 788/21</b>                 |

#### OUTDOOR STATION REFERENCES

##### Kombi model

|        |                              |                                    |
|--------|------------------------------|------------------------------------|
| N. Y   | Button modules               | <b>Ref. 825/201-/202-/203-/204</b> |
| N. K+1 | Module with door unit set-up | <b>Ref. 825/210-/211-/212</b>      |
| N. K+1 | Amplified door unit          | <b>Ref. 824/500</b>                |

The panels must be installed in flush-mounting boxes with module frames or in cases with hood for wall-mounted versions. Refer to section 2d of technical manual MT101-013 for respective diagrams and installation methods.

or:

##### 725 model

|        |   |                      |
|--------|---|----------------------|
| N. 1   | Panel with N buttons (total users number) | <b>Mod. 725</b>      |
| N. K   | Panel with N buttons (group users number) | <b>Mod. 725</b>      |
| N. K+1 | Amplified door unit                       | <b>Ref. 5150/500</b> |

(K = quantity of groups)

### DIAGRAM NOTES

(see section 1)

C4.001

VX.017

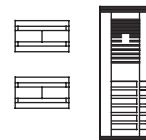
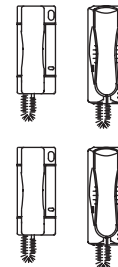
# CONNECTION OF SEVERAL GROUPS OF HOUSE PHONES TO A COMMON OUTDOOR STATION

Each group is also connected to its own secondary outdoor station

SC101-0366D

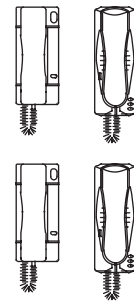
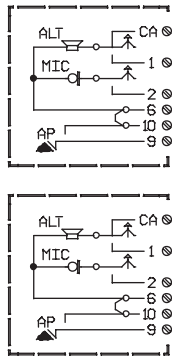
II GROUP

CONNECTION  
AS 1ST GROUP



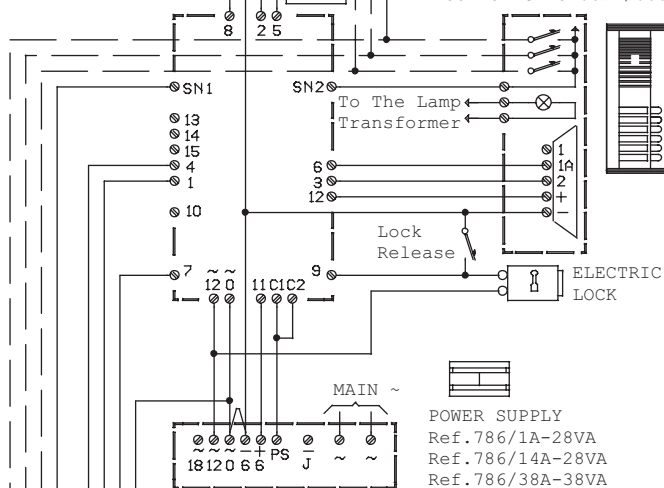
I GROUP

HOUSE PHONES



Push Button Panel:  
Mod.725  
+ Door Unit Ref.5150/500  
or  
Mod.825  
+ Door Unit Ref.824/500

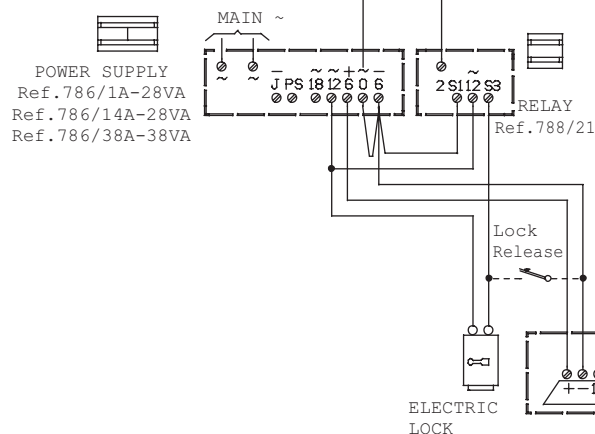
RELAY  
Ref.788/1



SECONDARY ENTRY

POWER SUPPLY  
Ref.786/1A-28VA  
Ref.786/14A-28VA  
Ref.786/38A-38VA

POWER SUPPLY  
Ref.786/1A-28VA  
Ref.786/14A-28VA  
Ref.786/38A-38VA



ELECTRIC  
LOCK

(VX.017)  
MAIN ENTRY

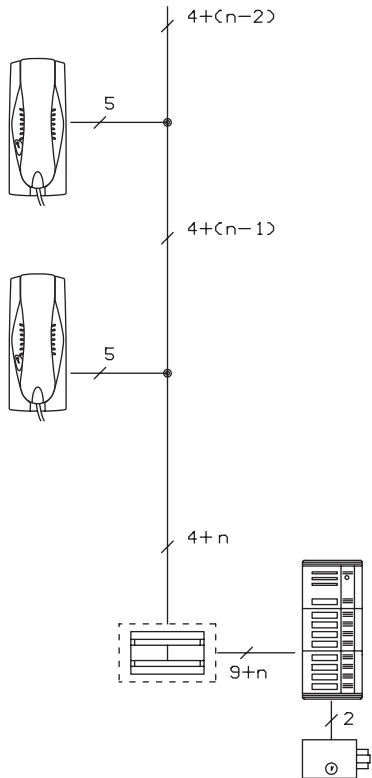
Push Button Panel:  
Mod.725  
+ Door Unit Ref.5150/500

# CONNECTION OF HOUSE PHONES TO AN OUTDOOR STATION VERSION WITH INSERTION KEY ON THE HANDSET



## FUNCTION

The performed service is the same as per the previous system with outdoor station.  
 The difference is that the called house phone, in to talk to the outdoor station, shall not only pick the handset up, but also press the key in the handset.  
 The advantage is that the house phone with accidentally unhooked handset do not disturb nor impede the normal service of the other house phones.  
 The handsets off-hook cannot receive calls.



## EQUIPMENT

The following devices are needed for the system illustrated in diagram SC101-0484D:

### HOUSE PHONE REFERENCES

|      |                                    |                     |
|------|------------------------------------|---------------------|
| N. X | House phones Mod. Atlantico<br>or: | <b>Ref. 1133/10</b> |
| N. X | House phones Mod. 1131             | <b>Ref. 1131/10</b> |

### POWER SUPPLY REFERENCES

|      |   |   |
|------|---|---|
| N. 1 | Power supply, available in the following versions:<br>28VA for bar mounting<br>or:<br>38VA for bar mounting | <b>Ref. 786/1A or Ref. 786/14A</b><br><br><b>Ref. 786/38A</b> |
|------|---|---|

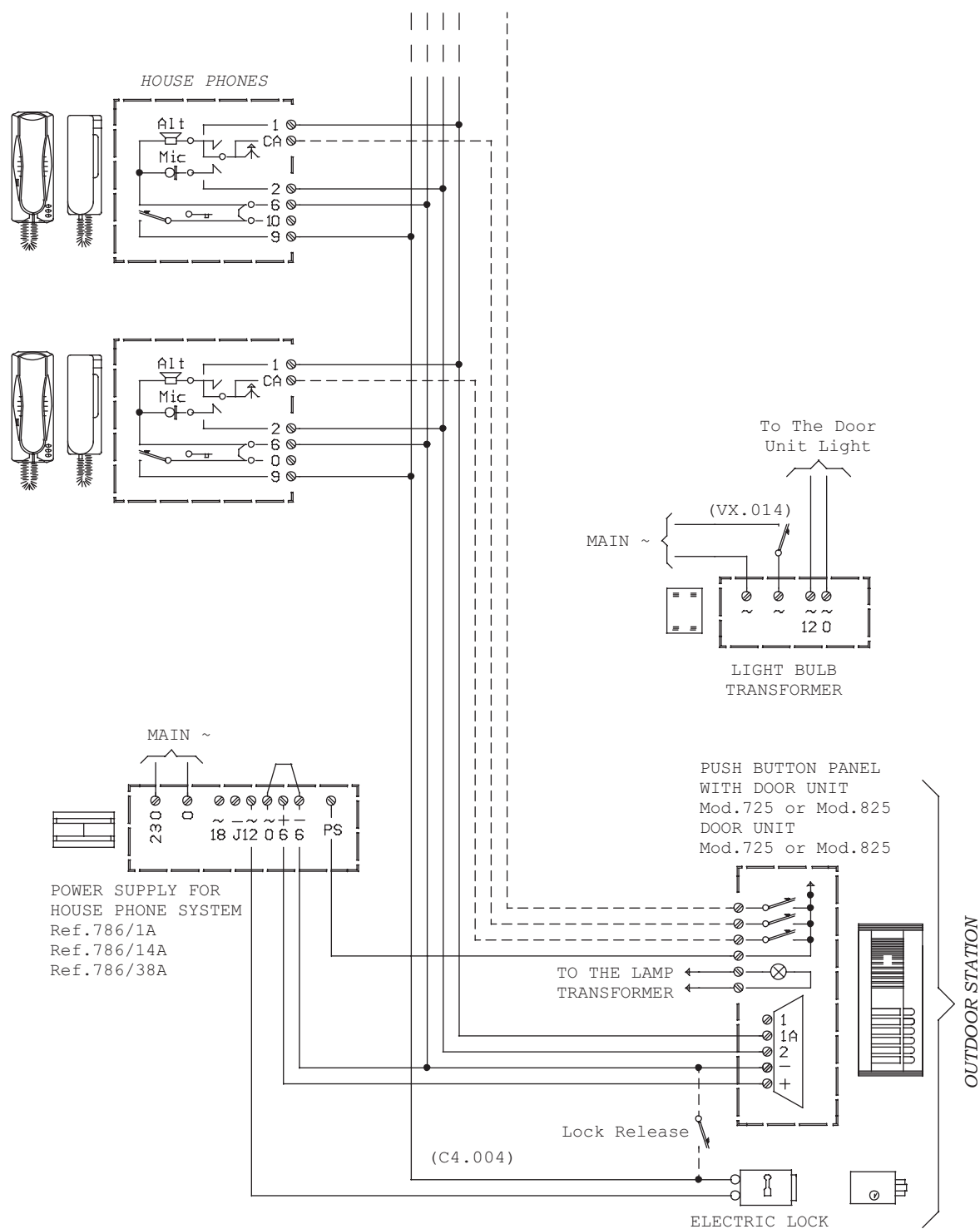
### OUTDOOR STATION REFERENCES

The diagrams for installing the door unit are those shown under number SC101-0245E.

## DIAGRAM NOTES

(see section 1)  
 C4.001  
 C4.004  
 VX.014





# CONNECTION OF HOUSE PHONES MODEL ATLANTICO TO ONE OUTDOOR STATIONS Mod. SINTHESI or Mod. K-STEEL

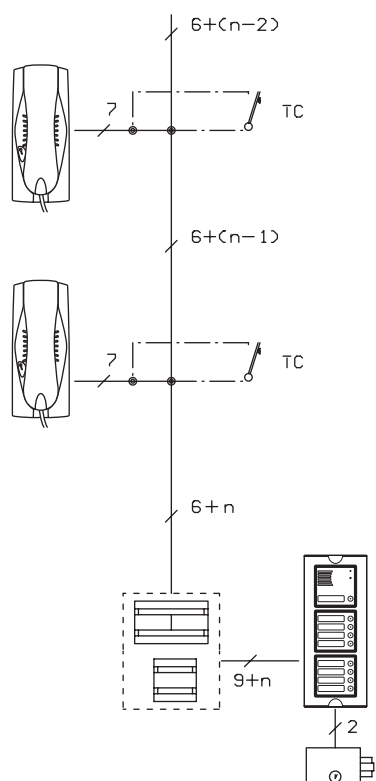
**urmet**  
DOMUS

## FUNCTION

Pressing one of the external panel buttons, the bitonal electronic call is sent to the correspondent house phone loudspeaker. When the called house phone handset is unhooked, contact is established and conversation may take place. To operate the electric lock it is sufficient to press the proper push button.

Floor calls can be differentiated from door unit calls by adding device Ref. 9854/54 inside each door phone.

This type of system can be made with Atlantico door phones only.



## EQUIPMENT

The following devices are needed for the system illustrated in diagram SC101-1248:

### HOUSE PHONE REFERENCES

N. X House phones Mod. Atlantico **Ref. 1133**

N. X Additional speaker **Ref. 9854/54**

### POWER SUPPLY REFERENCES

N. 1 Power supply, available in the following versions:  
28VA for bar mounting **Ref. 786/1A or Ref. 786/14A**

or:

38VA for bar mounting **Ref. 786/38A**

N. 1 Sound generator **Ref. 787/1**

### OUTDOOR STATION REFERENCES

The diagrams for installing the door unit are those shown under number SC101-1133A.

## DIAGRAM NOTES

(see section 1)

**C4.001**

**C4.004**

**C4.006**

Sinthesi models only:

Connect jumper L with G/T.

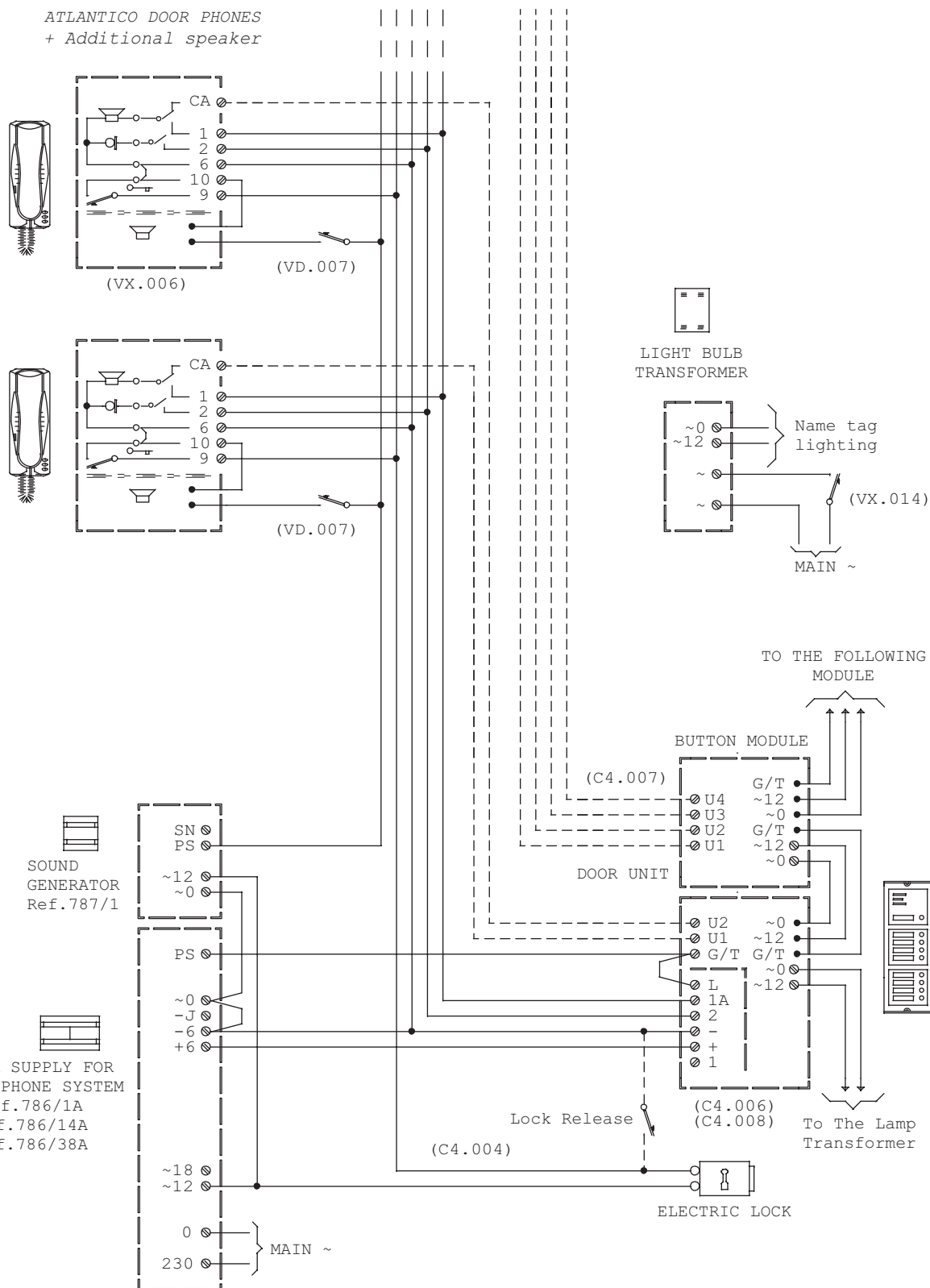
**C4.007**

**C4.008**

**VD.007**

**VX.006**

ATLANTICO DOOR PHONES  
+ Additional speaker



# CONNECTION OF HOUSE PHONES TO AN OUTDOOR STATION CONNECTION OF THE SOUND GENERATOR TO CALL HOUSE PHONES FROM THE FLOOR USING THE SAME LOUDSPEAKER

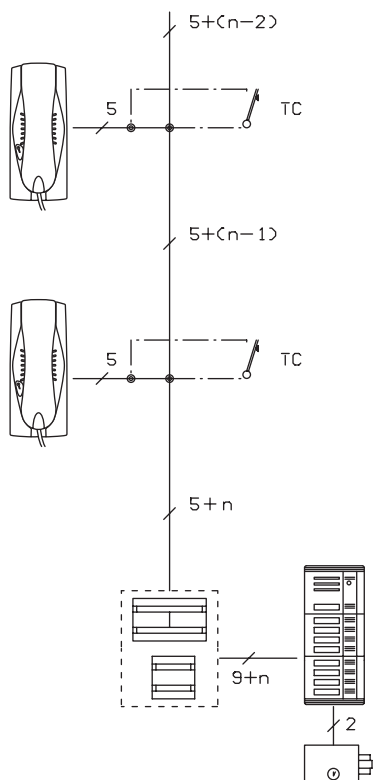


## FUNCTION

When one of the keys of the push button panel located outside the building is pressed, the two-tone electronic call is sent to the loudspeaker of the matching house phone. When the handset of the house phone called is lifted, the contact between the outside and inside is established and the conversant can start.

To activate the electric lock, press the matching key.

Adding the Ref. 787/1 sound generator, it is possible to use the loudspeaker of the house phone for the call from the floor without having to add other buzzers. The call tone differs from that sent to the push button panel making it possible to identify the source.



## EQUIPMENT

The following devices are needed for the system illustrated in diagram SC101-0252C:

### HOUSE PHONE REFERENCES

|      |                             |              |                     |
|------|-----------------------------|--------------|---------------------|
| N. X | House phones Mod. Atlantico | White colour | <b>Ref. 1133</b>    |
|      | or:                         |              |                     |
| N. X | House phones Mod. 1132      | White colour | <b>Ref. 1132</b>    |
|      | or:                         | Black colour | <b>Ref. 1132/40</b> |
| N. X | House phones Mod. 1131      | White colour | <b>Ref. 1131</b>    |

### POWER SUPPLY REFERENCES

|      |  |                                    |
|------|--|------------------------------------|
| N. 1 | Power supply, available in the following versions: |                                    |
|      | 28VA for bar mounting                              | <b>Ref. 786/1A or Ref. 786/14A</b> |
|      | or:  |                                    |
|      | 38VA for bar mounting                              | <b>Ref. 786/38A</b>                |
| N. 1 | Sound generator                                    | <b>Ref. 787/1</b>                  |

### OUTDOOR STATION REFERENCES

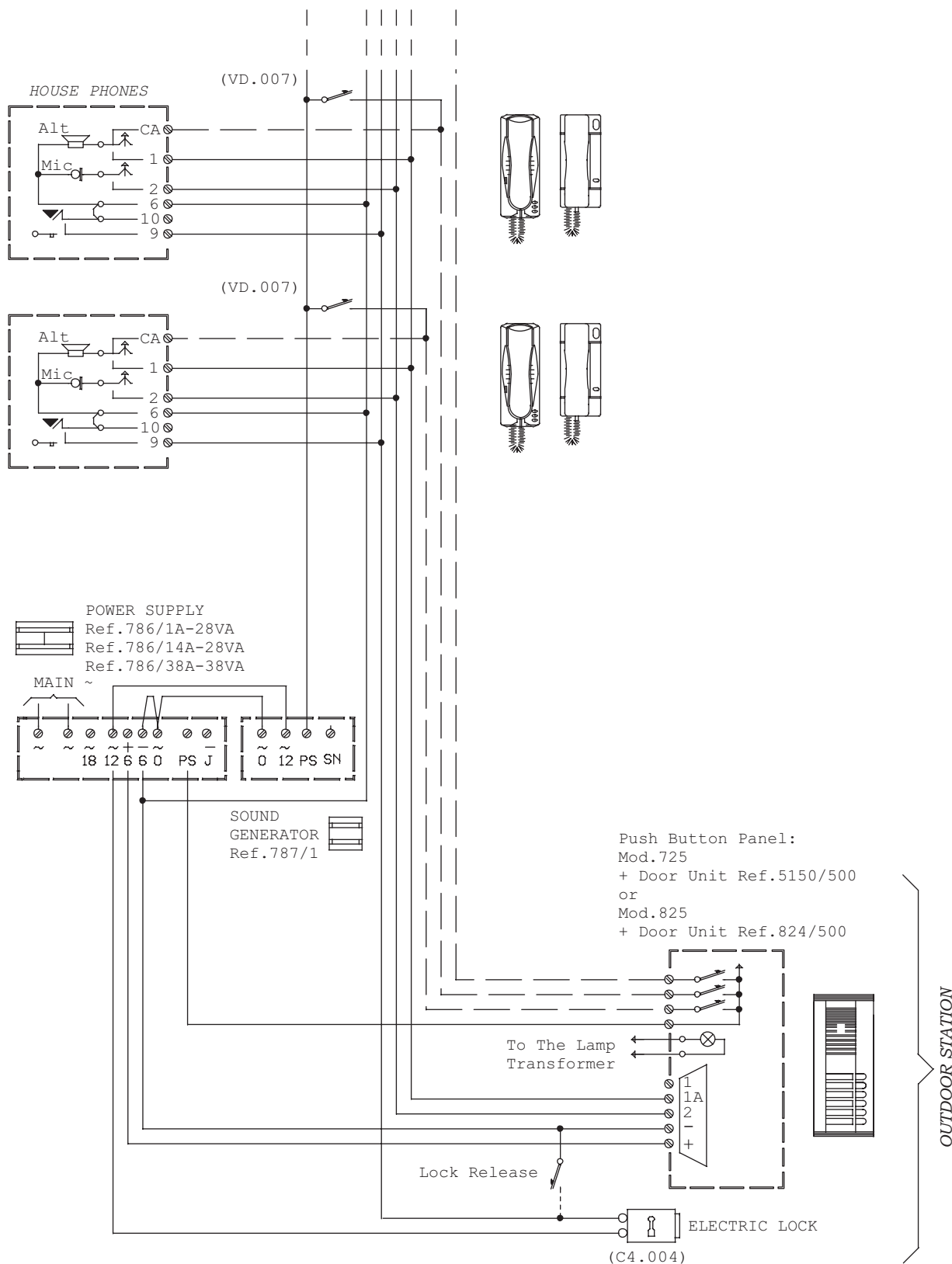
The diagrams for installing the door unit are those shown under number SC101-0245E.

## DIAGRAM NOTES

(see section 1)  
C4.001  
C4.004  
VD.007

**CONNECTION OF HOUSE PHONES TO AN OUTDOOR STATION  
CONNECTION OF THE SOUND GENERATOR TO CALL HOUSE PHONES  
FROM THE FLOOR USING THE SAME LOUDSPEAKER**

SC101-0252C



# CONNECTION OF HOUSE PHONES TO AN OUTDOOR STATION

## Solution using the three-tone gong kit for differentiated call to the floor.

### The calls from the push button panel are sent with sound generator, Those to the floor with gong

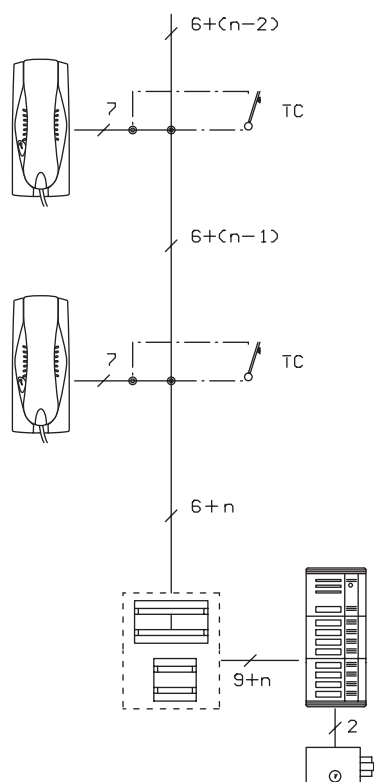


## FUNCTION

When one of the keys of the push button panel located outside the building is pressed, the two-tone electronic call is sent to the Loudspeaker of the matching house phone. When the handset of the house phone called is lifted, the contact between the outside and inside is established and the conversation can start. To activate the electric lock, press the matching key.

Adding the three-tone Gong kit inside each house phone and an extra power supply, the call can be made to the floor differentiating this from those sent by the external push button panel. The Ref. 1132/54 makes it possible to transform the normal call signal into a three-toner Gong to be sent to the loudspeaker of the house phone.

This device must be powered at 12 Vdc; additional power unit Ref.1840/22 may be used. For this purpose, include one additional wire in the system for the "+" terminal and another additional wire to connect to the "PS" terminal of the door phone power unit cut by the floor call button.



## EQUIPMENT

The following devices are needed for the system illustrated in diagram SC101-0791C:

### HOUSE PHONE REFERENCES

|      |                             |              |                     |
|------|-----------------------------|--------------|---------------------|
| N. X | House phones Mod. Atlantico | White colour | <b>Ref. 1133</b>    |
|      | or:                         |              |                     |
| N. X | House phones Mod. 1132      | White colour | <b>Ref. 1132</b>    |
|      |                             | Black colour | <b>Ref. 1132/40</b> |
|      | or:                         |              |                     |
| N. X | House phones Mod. 1131      | White colour | <b>Ref. 1131</b>    |
| N. X | Three-tone Gong kit         |              | <b>Ref. 1132/54</b> |

### POWER SUPPLY REFERENCES

|      |  |                                    |
|------|--|------------------------------------|
| N. 1 | Power supply, available in the following versions: |                                    |
|      | 28VA for bar mounting                              | <b>Ref. 786/1A or Ref. 786/14A</b> |
|      | or:  |                                    |
|      | 38VA for bar mounting                              | <b>Ref. 786/38A</b>                |
| N. 1 | Additional power unit                              | <b>Ref. 1840/22</b>                |

### OUTDOOR STATION REFERENCES

The diagrams for installing the door unit are those shown under number SC101-0245E.

## DIAGRAM NOTES

(see section 1)

C4.001

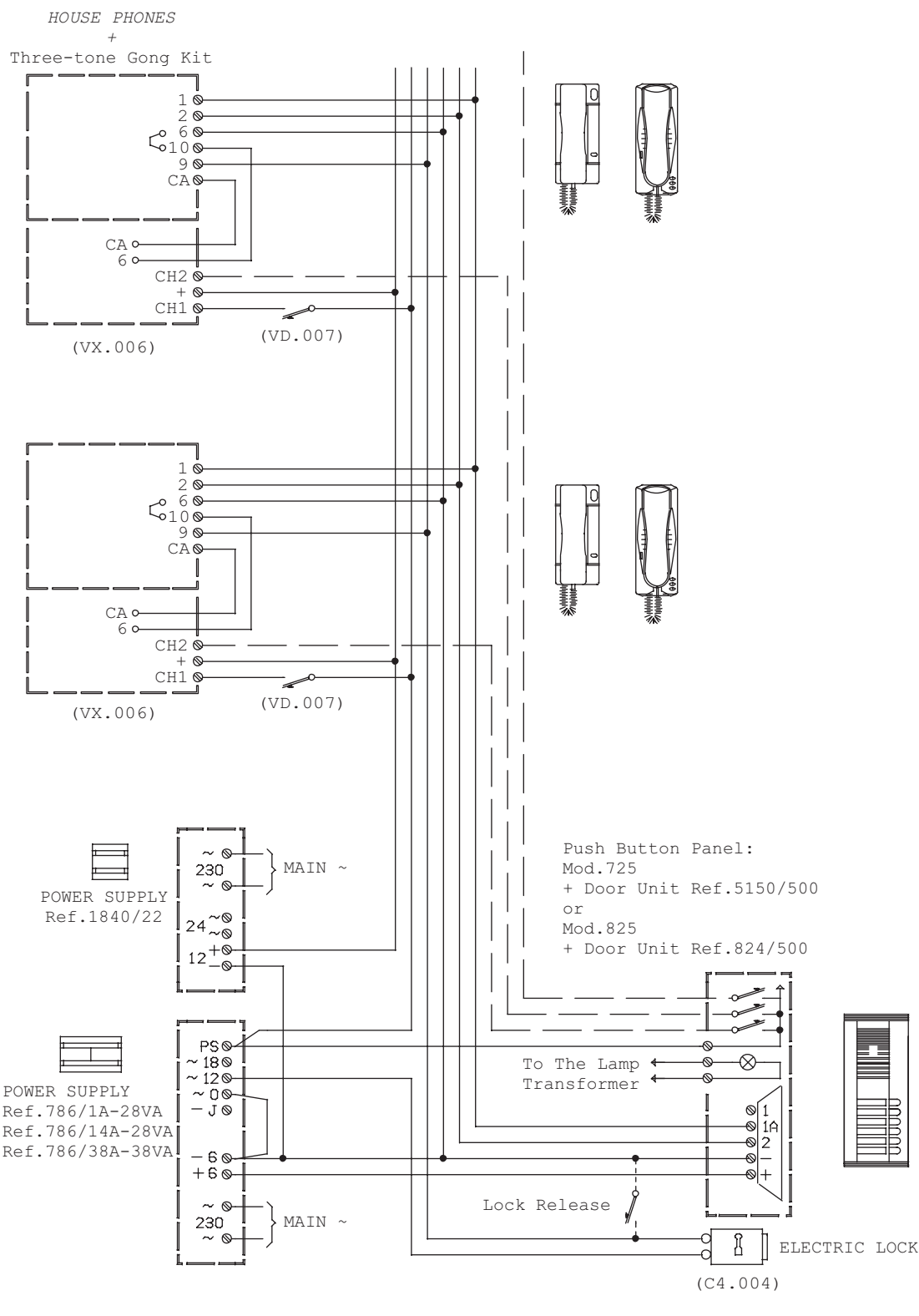
C4.004

VX.006

VD.007

**CONNECTION OF HOUSE PHONES TO AN OUTDOOR STATION**  
Solution using the three-tone gong kit for differentiated call to the floor.  
The calls from the push button panel are sent with sound generator,  
Those to the floor with gong

SC101-0791C



## CONNECTION OF HOUSE PHONES TO 1 DOOR UNIT

### Solution using additional differential floor call device Ref. 9854/53

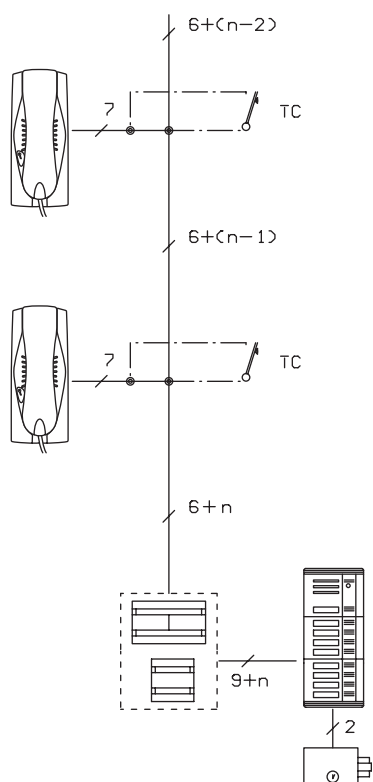
**urmet**  
DOMUS

#### FUNCTION

When one of the keys of the push button panel located outside the building is pressed, the two-tone electronic call is sent to the Loudspeaker of the matching house phone. When the handset of the house phone called is lifted, the contact between the outside and inside is established and the conversation can start. To activate the electric lock, press the matching key.

Floor calls can be differentiated from door unit calls by fitting an additional device inside each door phone.

The device must be powered either at 12 Vdc or 12 Vac. For powering the device at 12 Vac, simply include one extra wire in the column connected to the door phone power unit terminal ~12. Use an additional dc power unit Ref. 1840/22 to power the device is powered at 12 Vdc.



#### EQUIPMENT

The following devices are needed for the system illustrated in diagram SC101-1070A:

##### HOUSE PHONE REFERENCES

|      |                             |              |                     |
|------|-----------------------------|--------------|---------------------|
| N. X | House phones Mod. Atlantico | White colour | <b>Ref. 1133</b>    |
|      | or:                         |              |                     |
| N. X | House phones Mod. 1132      | White colour | <b>Ref. 1132</b>    |
|      |                             | Black colour | <b>Ref. 1132/40</b> |
|      | or:                         |              |                     |
| N. X | House phones Mod. 1131      | White colour | <b>Ref. 1131</b>    |
| N. X | Device for call at floor    |              | <b>Ref. 9854/53</b> |

##### POWER SUPPLY REFERENCES

|      |  |                                    |
|------|--|------------------------------------|
| N. 1 | Power supply, available in the following versions: |                                    |
|      | 28VA for bar mounting                              | <b>Ref. 786/1A or Ref. 786/14A</b> |
|      | or:  |                                    |
|      | 38VA for bar mounting                              | <b>Ref. 786/38A</b>                |
| N. 1 | Additional power unit                              | <b>Ref. 1840/22</b>                |

##### OUTDOOR STATION REFERENCES

The diagrams for installing the door unit are those shown under number SC101-0245E.

#### DIAGRAM NOTES

(see section 1)

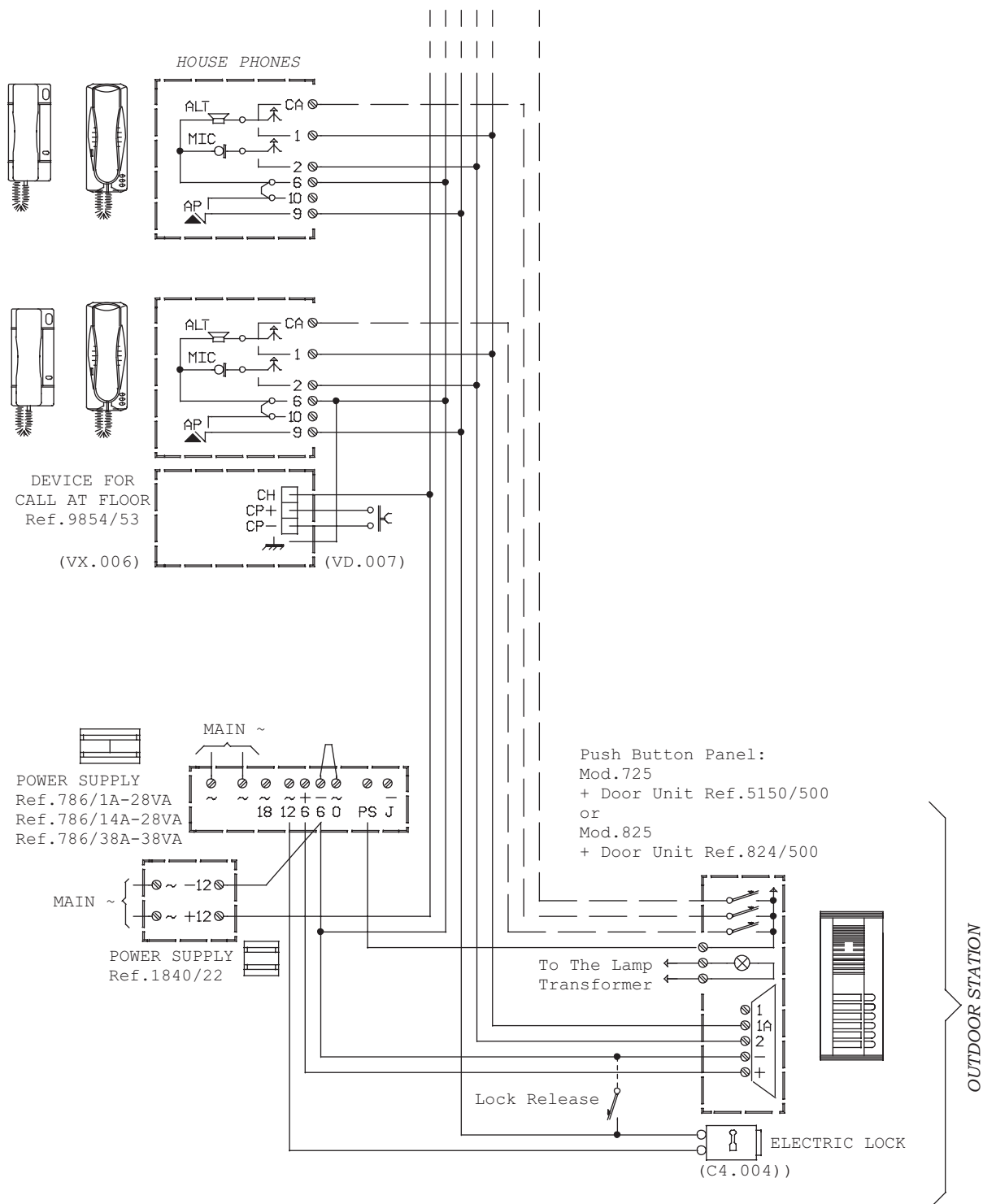
C4.001

C4.004

VD.007

VX.006





## CONNECTION OF HOUSE PHONES WITH LEDS AND SWITCH

### Buzzer mute and open door check service Door opening during call from panel service



### FUNCTION

#### Possibility of door opening from the push button panel during the call

This service is particularly required by professional offices, where a lot of people coming in and out obliges to often open the door without the use of the house phone to talk with the outside.

Scheme SC 101-0289F shows the connection of one or more house phones suitable for this service in a normal outdoor system. The relay box Ref. 788/21 and the power supply Ref. 1840/22 have to be foreseen.

With the switch in ON position, when the visitors calls the house phone buzzer doesn't ring, but the relay starts and automatically opens the electric lock.

The switch ON position is signaled on the house phone by GREEN LED lighting.

#### Possibility of cut-off. (privacy on)

With an installation as per Scheme SC 101-0290C, operation will be the following:

With the switch in OFF position the call sent from push button panel will reach the proper house phone loudspeaker; the GREEN LED is off.

With the switch in ON position the house phone is cut-off and the GREEN LED is on (the circuit between RZ and R is closed). For the service only a power supply of limited power, supplying the 12V d.c. voltage for the LED lighting, has to be foreseen. Power supply Ref. 8500A can be used, supplying 0.6A max. and therefore able to feed the LEDS of up to 20 house phones simultaneously.

#### Possibility of main door gate check

Connect as shown in diagram SC101-1226 for providing open door signalling function. and to equip the door with the proper contact.

With said installation the RED LED of all house phones will be on when the main door gate is open.

The power supply for the 12V d.c. voltage shall be of adequate power depending on the number of house phones: we recommend one power supply Ref. 8500A every 20 house phones.

### EQUIPMENT FOR SC101-0289F

The following devices are needed for the system illustrated in diagram SC101-0289F:

#### HOUSE PHONE REFERENCES

|      |                             |              |                     |
|------|-----------------------------|--------------|---------------------|
| N. X | House phones Mod. Atlantico | White colour | <b>Ref. 1133</b>    |
|      | or:                         |              |                     |
| N. X | House phones Mod. 1132      | White colour | <b>Ref. 1132</b>    |
|      |                             | Black colour | <b>Ref. 1132/40</b> |
|      | or:                         |              |                     |
| N. X | House phones Mod. 1131      | White colour | <b>Ref. 1131</b>    |

#### HOUSE PHONE "A" REFERENCES

|      |  |   |
|------|--|---|
| N. 1 | House phones Mod. Atlantico with 1 key<br>+ mute kit     | <b>Ref. 1133/1</b><br><b>Ref. 1133/56</b> |
|      | or:  |   |
| N. 1 | House phones Mod. 1132 with 1 key<br>+ mute kit          | <b>Ref. 1132/1</b><br><b>Ref. 1132/56</b> |
|      | or:  |   |
| N. 1 | House phones Mod. 1131 with 2 LEDS<br>1 switch and 1 key | <b>Ref. 1131/20</b>                       |

#### POWER SUPPLY REFERENCES

|      |   |                                    |
|------|---|------------------------------------|
| N. 1 | Power supply, available in the following versions:<br>28VA for bar mounting | <b>Ref. 786/1A or Ref. 786/14A</b> |
|      | or:   |                                    |
|      | 38VA for bar mounting   | <b>Ref. 786/38A</b>                |
| N. 1 | Additional power unit   | <b>Ref. 1840/22</b>                |
| N. 1 | Transformer   | <b>Ref. 9000/230</b>               |
| N. 1 | Relay box   | <b>Ref. 788/21</b>                 |

### OUTDOOR STATION REFERENCES

The diagrams for installing the door unit are those shown under number SC101-0245E.

### EQUIPMENT FOR SC101-0290C

The following devices are needed for the system illustrated in diagram SC101-0290C:

#### HOUSE PHONE REFERENCES

|      |  |   |
|------|--|---|
| N. 1 | House phones Mod. Atlantico with 1 key<br>+ mute kit     | <b>Ref. 1133/1</b><br><b>Ref. 1133/56</b> |
|      | or:  |   |
| N. 1 | House phones Mod. 1132 with 1 key<br>+ mute kit          | <b>Ref. 1132/1</b><br><b>Ref. 1132/56</b> |
|      | or:  |   |
| N. 1 | House phones Mod. 1131 with 2 LEDS<br>1 switch and 1 key | <b>Ref. 1131/20</b>                       |

#### POWER SUPPLY REFERENCES

|      |   |                                    |
|------|---|------------------------------------|
| N. 1 | Power supply, available in the following versions:<br>28VA for bar mounting | <b>Ref. 786/1A or Ref. 786/14A</b> |
|      | or:   |                                    |
|      | 38VA for bar mounting   | <b>Ref. 786/38A</b>                |
| N. 1 | Additional power unit   | <b>Ref. 8500A</b>                  |

### OUTDOOR STATION REFERENCES

The diagrams for installing the door unit are those shown under number SC101-0245E.

### EQUIPMENT FOR SC101-1226

The following devices are needed for the system illustrated in diagram SC101-1226:

#### HOUSE PHONE "A" REFERENCES

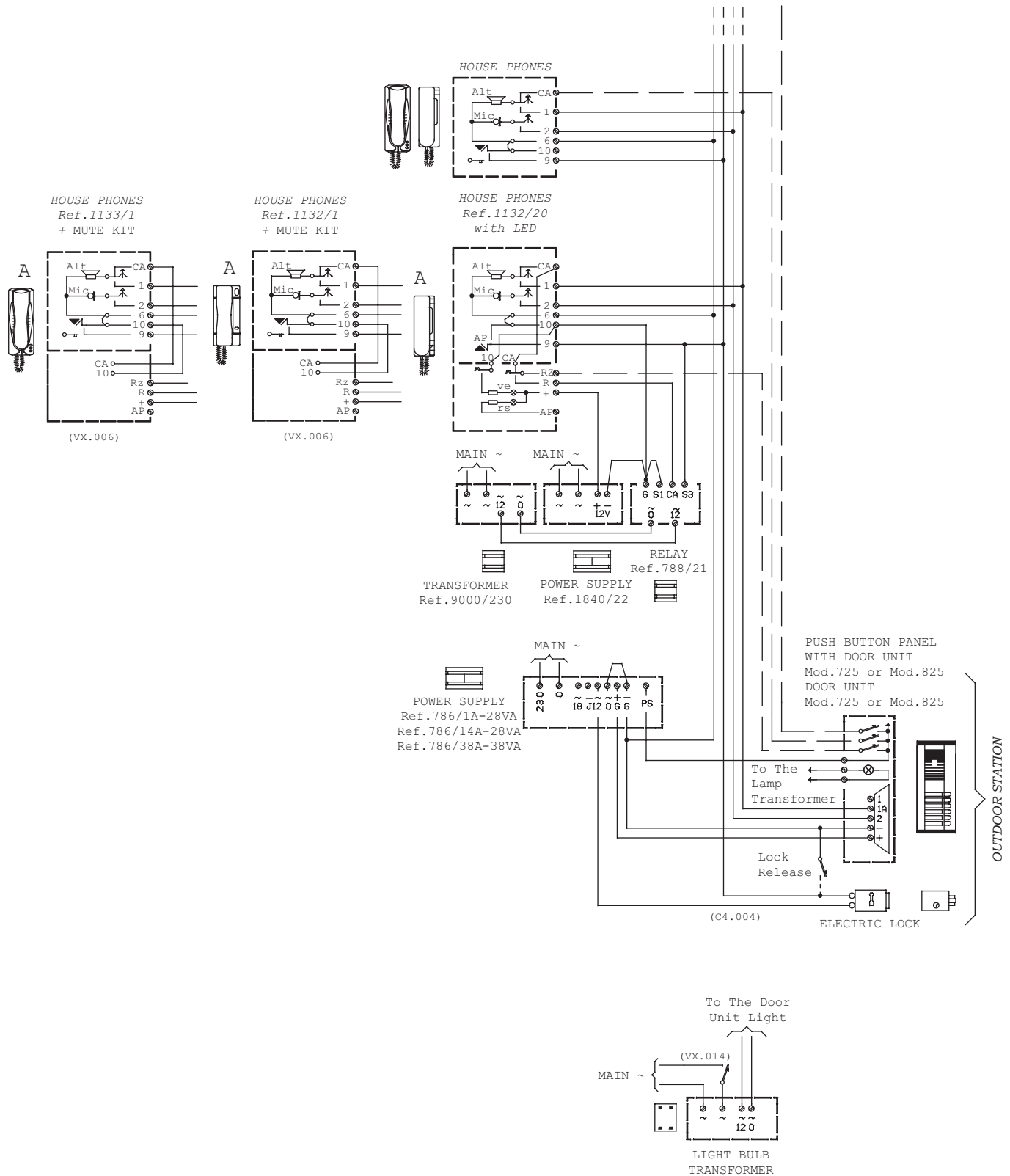
|      |  |   |
|------|--|---|
| N. 1 | House phones Mod. 1133 with 2 LEDS<br>1 switch       | <b>Ref. 1133/20</b>                       |
|      | or:  |   |
| N. 1 | House phones Mod. Atlantico with 1 key<br>+ mute kit | <b>Ref. 1133/1</b><br><b>Ref. 1133/56</b> |

#### POWER SUPPLY REFERENCES

|      |   |                                    |
|------|---|------------------------------------|
| N. 1 | Power supply, available in the following versions:<br>28VA for bar mounting | <b>Ref. 786/1A or Ref. 786/14A</b> |
|      | or:   |                                    |
|      | 38VA for bar mounting   | <b>Ref. 786/38A</b>                |
| N. 1 | Additional power unit   | <b>Ref. 8500A</b>                  |

### OUTDOOR STATION REFERENCES

The diagrams for installing the door unit are those shown under number SC101-0245E.



## DIAGRAM NOTES

(see section 1)

C4.001

C4.004

VX.006

VX.014

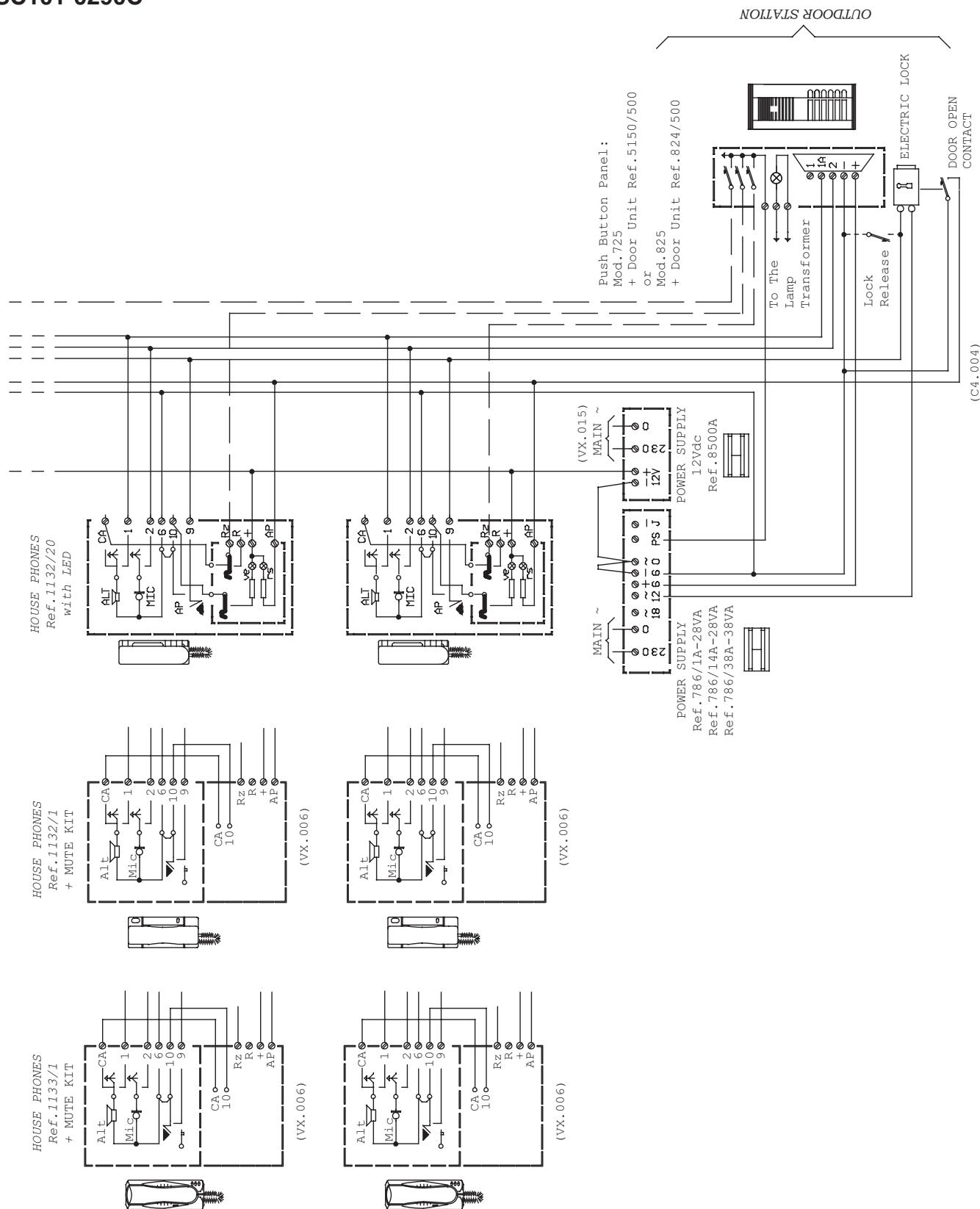
# CONNECTION OF HOUSE PHONES TO AN OUTDOOR STATION

## Door open light indicator.

### Possibility of cutting out calls and respective indications

**urmet**  
DOMUS

SC101-0290C



## DIAGRAM NOTES

(see section 1)

C4.001

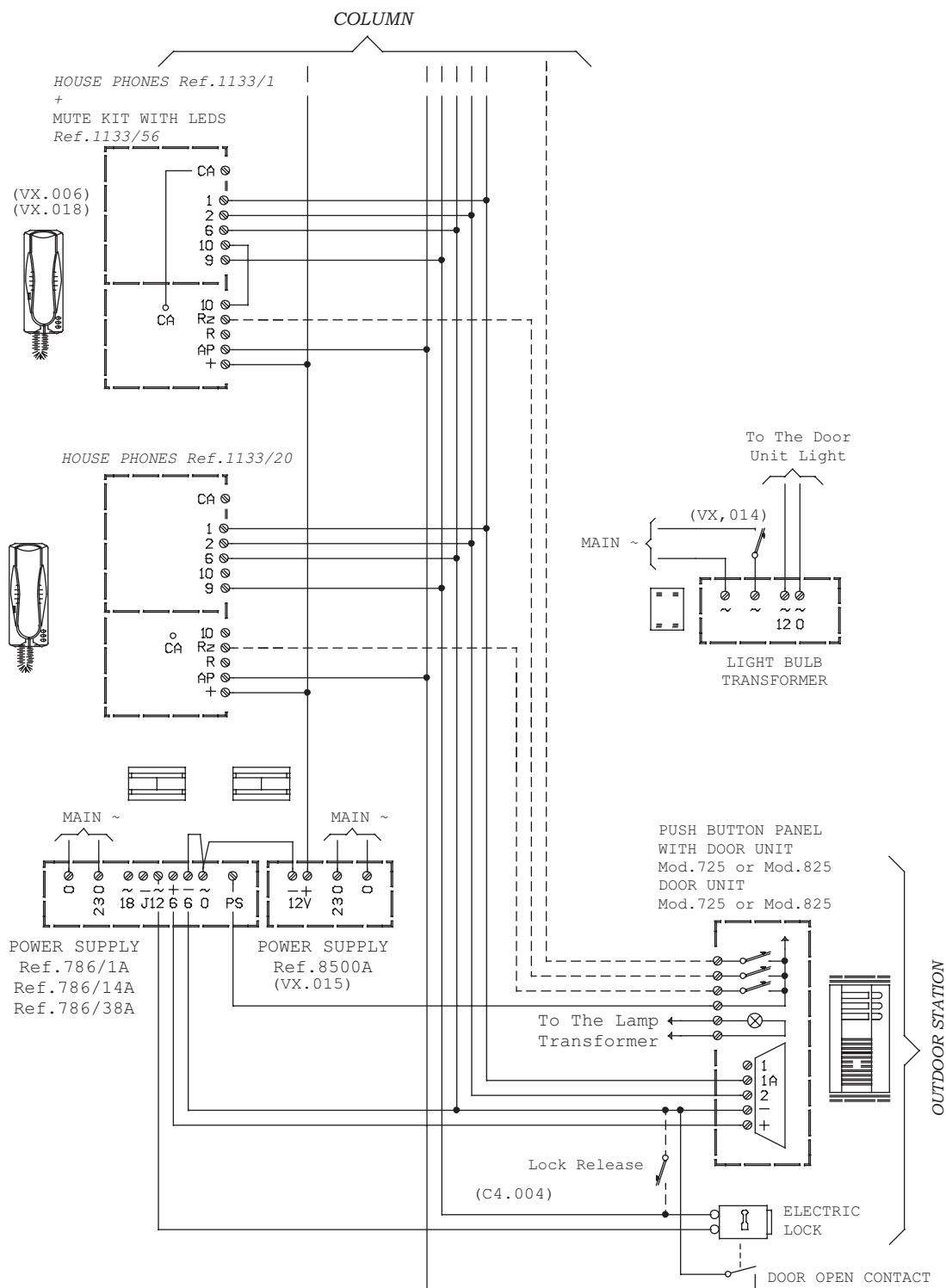
C4.004

VX.006

VX.015

**CONNECTION OF HOUSE PHONES (Mod. ATLANTICO) TO AN OUTDOOR STATION**  
**Door open light indicator.**  
**Possibility of cutting out calls and respective indications**

**SC101-1226**



**DIAGRAM NOTES**

(see section 1)

**C4.001**

**C4.004**

**VX.006**

**VX.014**

**VX.015**

**VX.018**

Connect the following jumpers on the device:

a) CA with CA

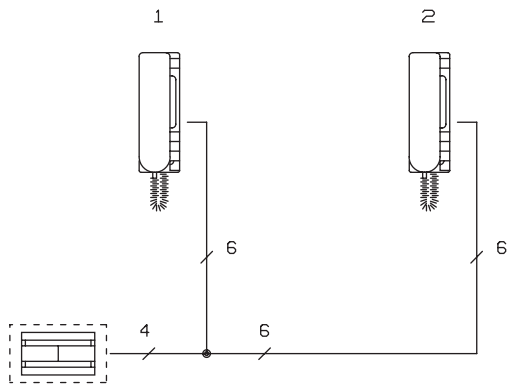
b) 10 with 10

# INTERCOM CONNECTION OF TWO HOUSE PHONES



## FUNCTION

This installation allows communication between two separate places, such as: shop-warehouse, director's office - secretary's office, etc. The calling house phones handset must be unhooked and the hook lever pressed to the bottom in order to establish the connection with the called house phone. As soon as the called house phone handset is picked up, connection is made.



## EQUIPMENT

The following devices are needed for the system illustrated in diagram SC101-0249C:

### HOUSE PHONE REFERENCES

|      |                             |              |                     |
|------|-----------------------------|--------------|---------------------|
| N. 2 | House phones Mod. Atlantico | White colour | <b>Ref. 1133</b>    |
|      | or:                         |              |                     |
| N. 2 | House phones Mod. 1132      | White colour | <b>Ref. 1132</b>    |
|      | Black colour                |              | <b>Ref. 1132/40</b> |
|      | or:                         |              |                     |
| N. 2 | House phones Mod. 1131      | White colour | <b>Ref. 1131</b>    |

### POWER SUPPLY REFERENCES

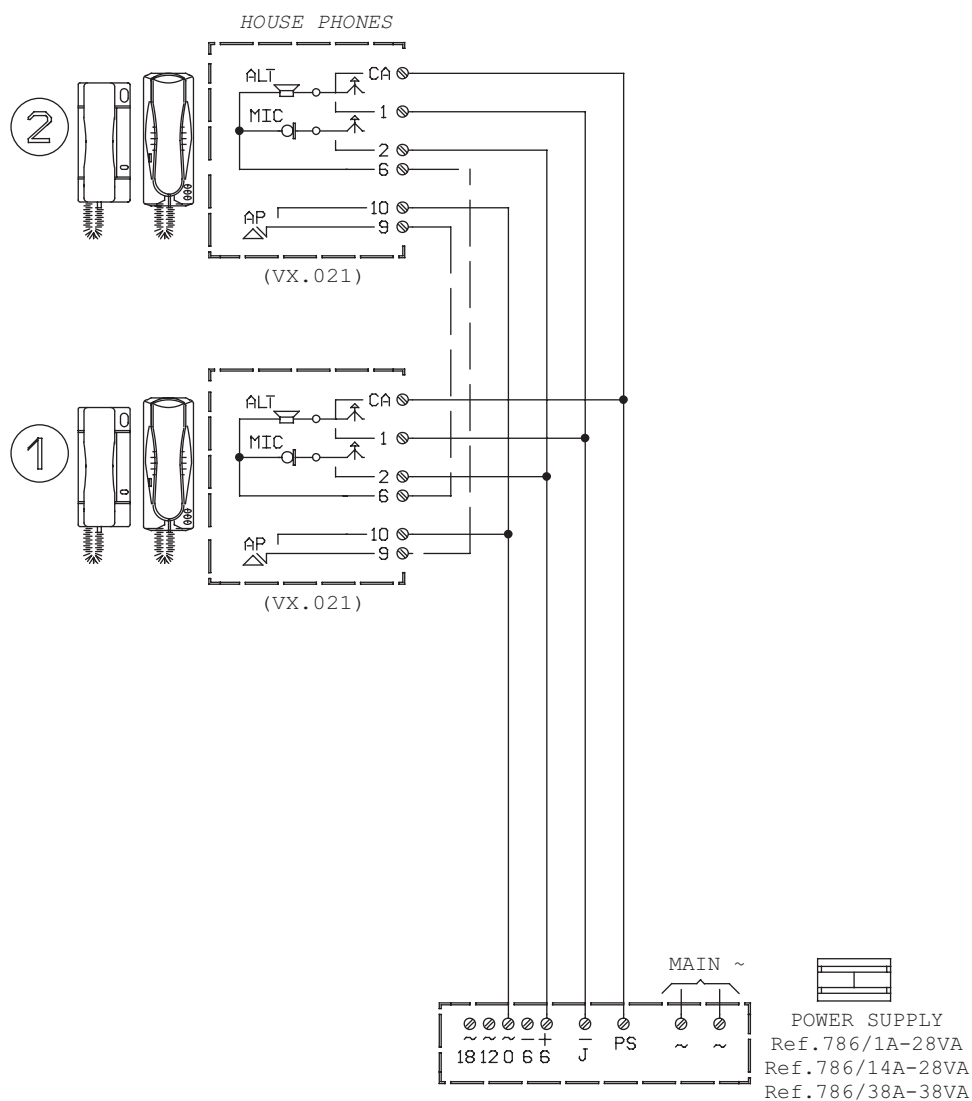
|      |  |                                    |
|------|--|------------------------------------|
| N. 1 | Power supply, available in the following versions: |                                    |
|      | 28VA for bar mounting                              | <b>Ref. 786/1A or Ref. 786/14A</b> |
|      | or:  |                                    |
|      | 38VA for bar mounting                              | <b>Ref. 786/38A</b>                |

### DIAGRAM NOTES

(see section 1)  
**C4.001**

**VX.021**

Cut or remove the jumpers on the device(s) 6 - 10.

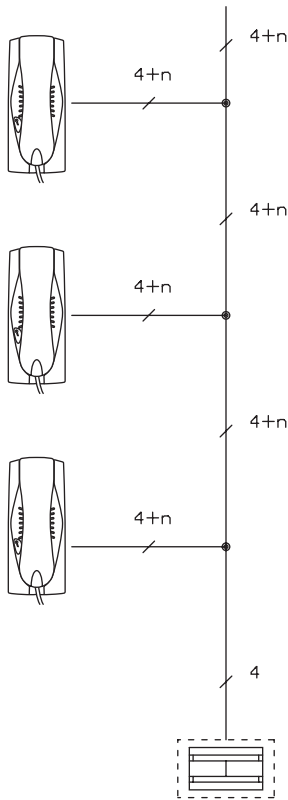


INTERCOMMUNICATING CONNECTION OF 4 HOUSE PHONES



FUNCTION

To communicate with any of the other house phones, the user must press the call key corresponding to the house phone required. On lifting the handset, the user called is automatically connected to the calling house phone.  
The service is not secret, i.e. if the user of a third house phone lifts the handset while other two are talking, the conversation can be heard.



EQUIPMENT

The following devices are needed for the system illustrated in diagram SC101-0370D:

HOUSE PHONE REFERENCES

|      |  |                      |
|------|--|----------------------|
| N. 4 | House phones Mod. Atlantico with 1 key | <b>Ref. 1133/1</b>   |
| N. 8 | additional buttons (packing of 10 pz)  | <b>Ref. 1133/55</b>  |
| or:  |  |                      |
| N. 4 | House phones Mod. 1132 with 1 key      | <b>Ref. 1132/1</b>   |
| N. 8 | additional buttons (packing of 10 pz)  | <b>Ref. 1132/55</b>  |
| or:  |  |                      |
| N. X | House phones Mod. 1131 with 1 key      | <b>Ref. 1131</b>     |
| N. 8 | additional buttons (packing of 10 pz)  | <b>Ref. 1131/100</b> |

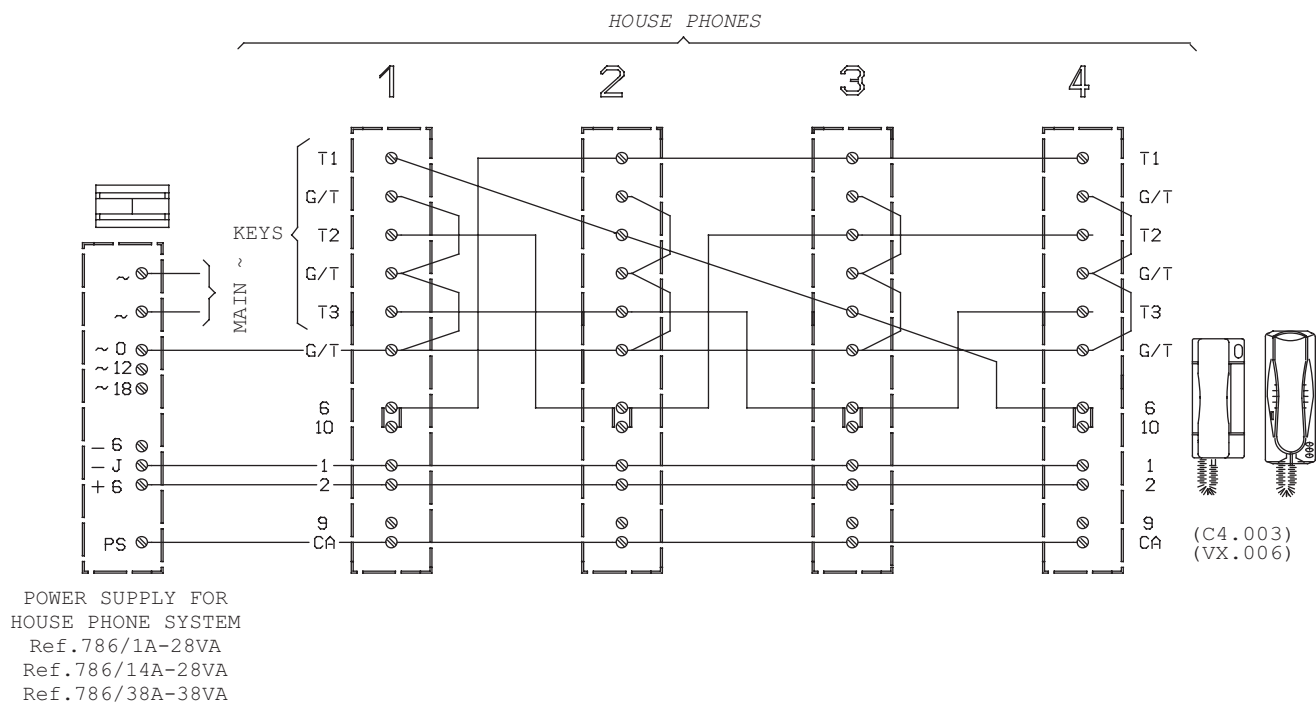
POWER SUPPLY REFERENCES

|      |  |                                    |
|------|--|------------------------------------|
| N. 1 | Power supply, available in the following versions: |                                    |
|      | 28VA for bar mounting                              | <b>Ref. 786/1A or Ref. 786/14A</b> |
| or:  |  |                                    |
|      | 38VA for bar mounting                              | <b>Ref. 786/38A</b>                |

DIAGRAM NOTES

(see section 1)  
C4.003  
VX.006





INTERCOMMUNICATING CONNECTION OF MAXIMUM 8/9 HOUSE PHONES

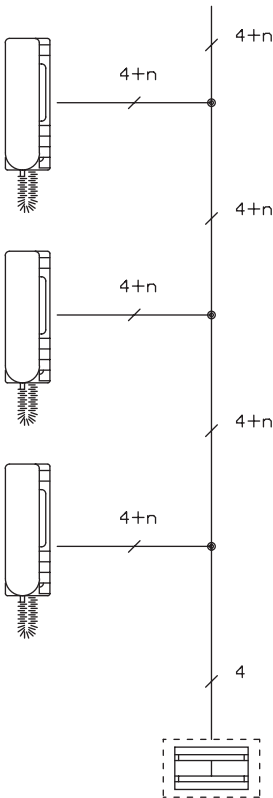


FUNCTION

This system is made of a main centralized house phone and of shunt phones. The main house phone can call and be called by the shunt phones. The shunt phones can only call the main phone but cannot call one another.

In order to call a shunt phone, the main one must push the corresponding key; in order to call the main phone, the shunts must press the proper key.

Using the Mod. 1131 fitted with the 8-key add-on as main house phone, it is possible to call up to 8 shunt phones; using the Mod. 1132 house phone with 7 keys, the number of shunt phones is limited to 7.



EQUIPMENT

The following devices are needed for the system illustrated in diagram SC101-0861B:

HOUSE PHONE REFERENCES

|       |  |              |
|-------|--|--------------|
| N. 8  | House phones Mod. 1132 with 1 key            | Ref. 1132/1  |
| N. 48 | additional buttons (packing of 10 pz)<br>or: | Ref. 1132/55 |
| N. 9  | House phones Mod. 1131 with 1 key            | Ref. 1131/1  |
| N. 9  | 8 buttons add-on                             | Ref. 1131/8  |

POWER SUPPLY REFERENCES

|      |  |                             |
|------|--|-----------------------------|
| N. 1 | Power supply, available in the following versions: |                             |
|      | 28VA for bar mounting                              | Ref. 786/1A or Ref. 786/14A |
|      | or:  |                             |
|      | 38VA for bar mounting                              | Ref. 786/38A                |

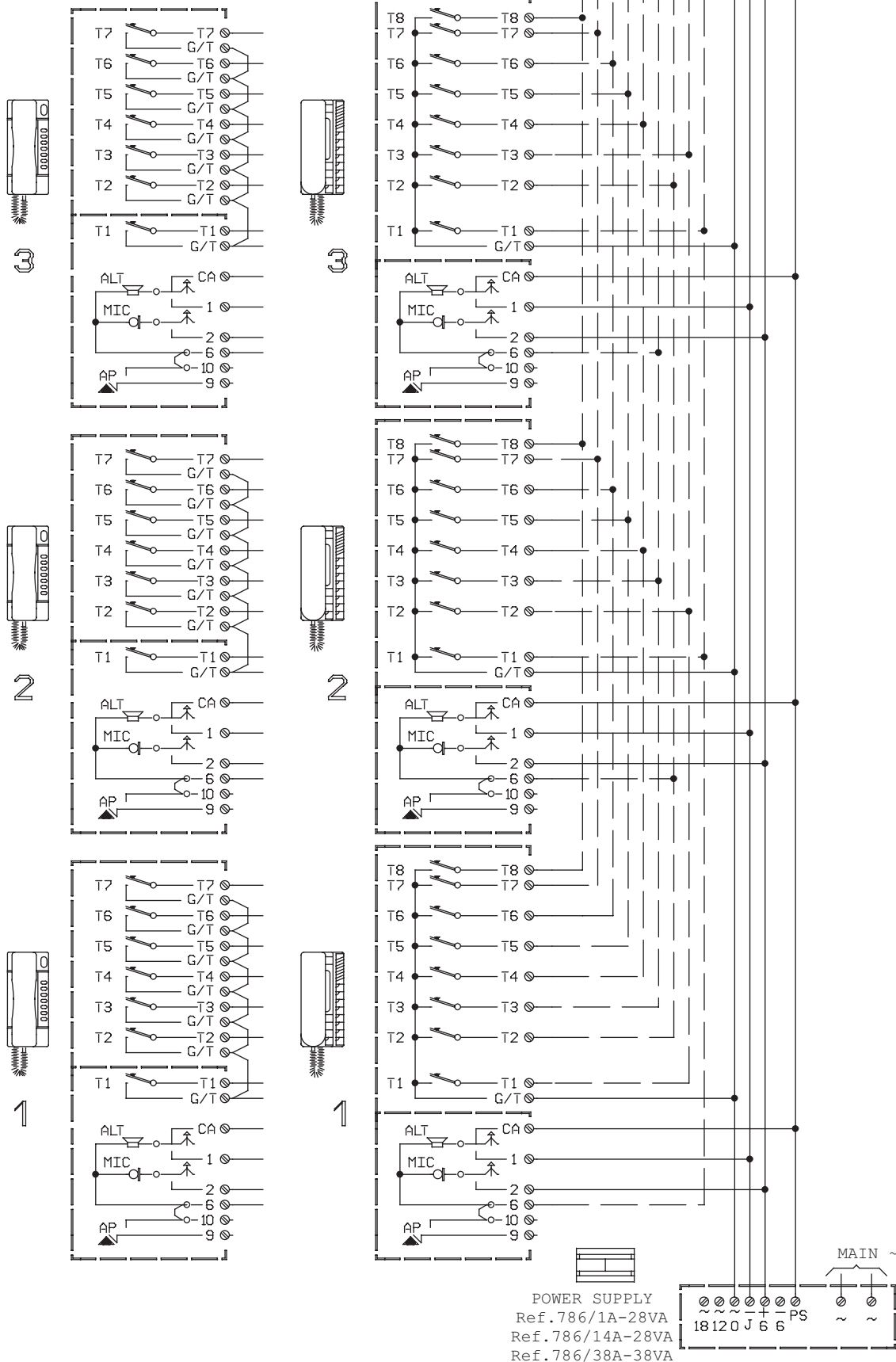
DIAGRAM NOTES

(see section 1)  
C4.001  
VX.006

TO THE FOLLOWING HOUSE PHONES **SC101-0861B**

HOUSE PHONES Ref.1132/1+  
ADDITIONAL KEYS  
(VX.006)

HOUSE PHONES Ref.1131+  
ADDITIONAL Ref.1131/8  
(VX.006)

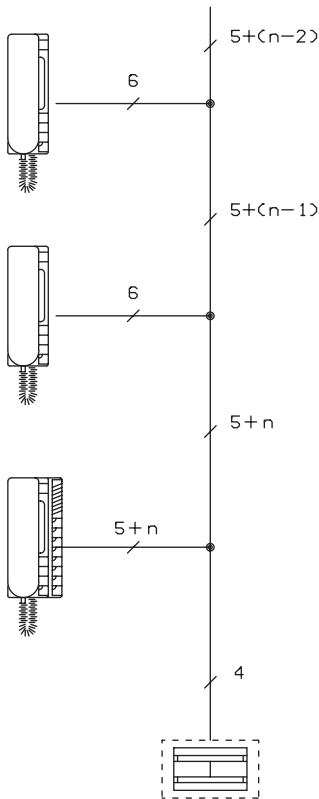


CONNECTION OF A MAIN HOUSE PHONE TO 7 SHUNT PHONES MAXIMUM



FUNCTION

This system is made of a main centralized house phone and of shunt phones. The main house phone can call and be called by the shunt phones. The shunt phones can only call the main phone but cannot call one another. In order to call a shunt phone, the main one must push the corresponding key; in order to call the main phone, the shunts must press the proper key. Using the Mod. 1131 fitted with the 8-key add-on as main house phone, it is possible to call up to 8 shunt phones; using the Mod. 1132 house phone with 7 keys, the number of shunt phones is limited to 7.



EQUIPMENT

The following devices are needed for the system illustrated in diagram SC101-0863B:

MAIN HOUSE PHONE REFERENCES

|      |                                       |              |                     |
|------|---------------------------------------|--------------|---------------------|
| N. 1 | House phones Mod. 1132 with 1 key     |              | <b>Ref. 1132/1</b>  |
| N. 7 | Additional buttons (packing of 10 pz) |              | <b>Ref. 1132/55</b> |
|      | or:                                   |              |                     |
| N. 1 | House phones Mod. 1131                | White colour | <b>Ref. 1131</b>    |
| N. 1 | 8 buttons add-on                      |              | <b>Ref. 1131/8</b>  |

SHUNT HOUSE PHONES REFERENCES

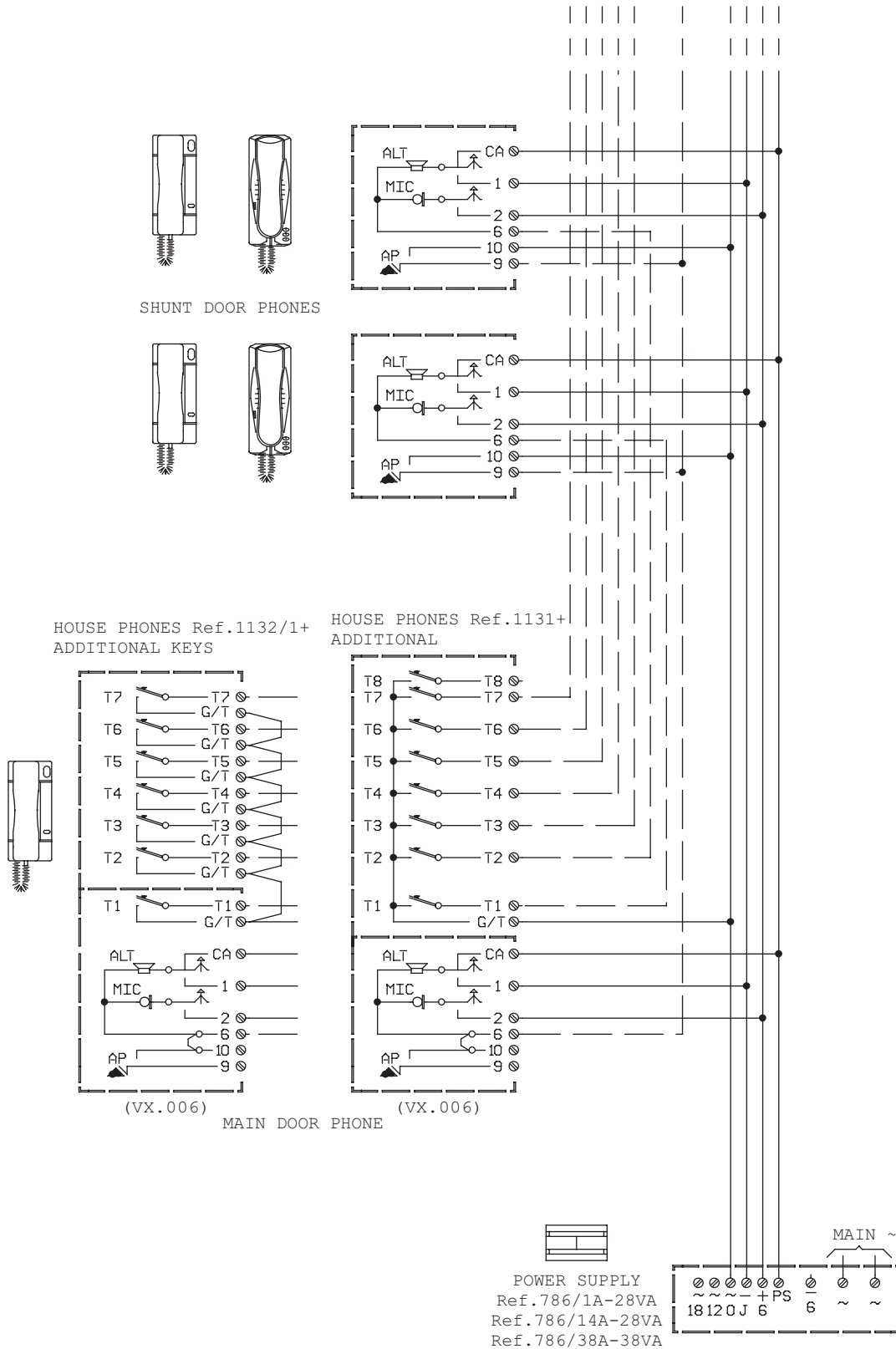
|      |                             |           |
|------|-----------------------------|-----------|
| N. 7 | House phones Mod. Atlantico | Ref. 1133 |
| N. 7 | House phones Mod. 1132      | Ref. 1132 |
| N. 7 | House phones Mod. 1131      | Ref. 1131 |

POWER SUPPLY REFERENCES

|      |  |                             |
|------|--|-----------------------------|
| N. 1 | Power supply, available in the following versions: |                             |
|      | 28VA for bar mounting                              | Ref. 786/1A or Ref. 786/14A |
|      | or:  |                             |
|      | 38VA for bar mounting                              | Ref. 786/38A                |

DIAGRAM NOTES

(see section 1)  
C4.001  
VX.006

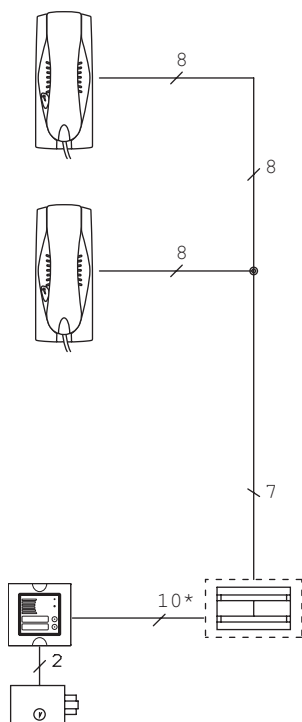


# INTERCOM CONNECTION OF TWO HOUSE PHONES WITH THE POSSIBILITY OF REPLY TO OUTDOOR STATION. SINGLE CALLS FROM OUTDOOR STATION

**urmet**  
DOMUS

## FUNCTION

The house phones carry out the intercom service and can, at the same times, reply to external calls. Switching from one service to another is automatic and takes place during the call by means of a reply incorporated in the power supply. When the intercom service is active, nothing can be heard on the outdoor station and vice versa. Calls from the door unit are sent to the door phone speaker while calls from the other door phone are sent to the additional electronic buzzer.



\* or 12 wires if a separate bulb power unit is employed.

## EQUIPMENT

The following devices are needed for the system illustrated in diagram SC101-1243:

### HOUSE PHONE REFERENCES

|      |   |                     |
|------|---|---------------------|
| N. 2 | House phones Mod. Atlantico with 1 key<br>or: | <b>Ref. 1133/1</b>  |
| N. 2 | House phones Mod. 1132 with 1 key<br>or:      | <b>Ref. 1132/1</b>  |
| N. 2 | House phones Mod. 1131 with 1 key             | <b>Ref. 1131/1</b>  |
| N. 2 | Extra electronic buzzers                      | <b>Ref. 9854/52</b> |
| N. 2 | Set of diodes (packing of 10)                 | <b>Ref. 1131/4</b>  |

### POWER SUPPLY REFERENCES

|      |                         |                    |
|------|-------------------------|--------------------|
| N. 1 | Power supply with relay | <b>Ref. 786/5A</b> |
|------|-------------------------|--------------------|

### OUTDOOR STATION REFERENCES

#### Sinthesi model

|      |                              |                      |
|------|------------------------------|----------------------|
| N. 1 | Module with door unit set-up | <b>Ref. 1145/22</b>  |
| N. 1 | Amplified door unit          | <b>Ref. 1145/500</b> |

The panels must be installed in flush-mounting boxes with module holder frames or in cases with hood for wall-mounted versions. Refer to section 2a of technical manual MT101-013 for respective diagrams and installation methods.

or:

#### K-steel model

|      |                       |                     |
|------|-----------------------|---------------------|
| N. 1 | Module with door unit | <b>Ref. 1155/22</b> |
|------|-----------------------|---------------------|

The panels must be installed in flush-mounting boxes with module holder frames or in cases with hood for wall-mounted versions. Refer to section 2b of technical manual MT101-013 for respective diagrams and installation methods.

## DIAGRAM NOTES

(see section 1)

**C4.001**  
**C4.003**  
**C4.004**

**C4.006**

Sinthesi models only:  
Connect jumper L with G/T.

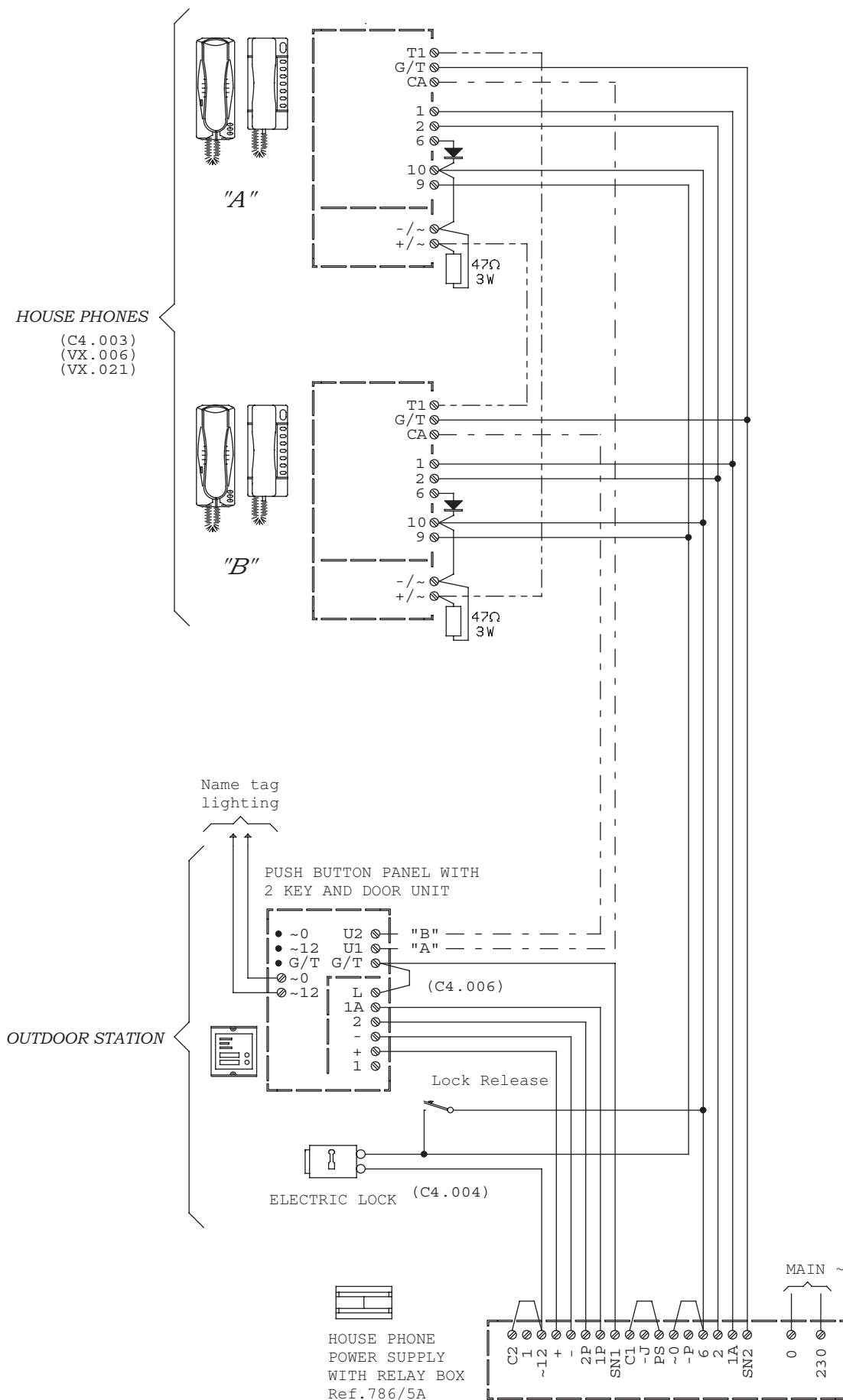
**VX.006**

**VX.021**

Cut or remove the jumpers on the device(s): 6 - 10.

**INTERCOM CONNECTION OF TWO HOUSE PHONES  
WITH THE POSSIBILITY OF REPLY TO OUTDOOR STATION.  
SINGLE CALLS FROM OUTDOOR STATION**

**SC101-1243**

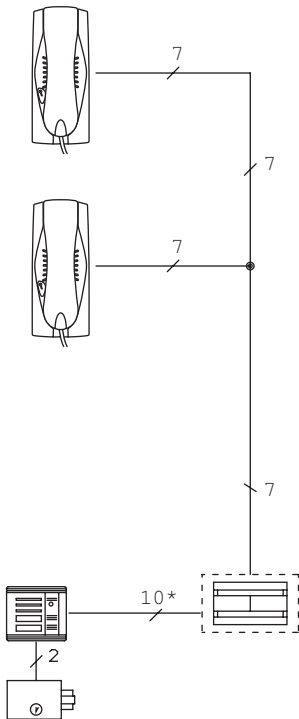


INTERCOM CONNECTION OF TWO HOUSE PHONES  
WITH THE POSSIBILITY OF REPLY TO OUTDOOR STATION.  
SINGLE CALLS FROM OUTDOOR STATION



FUNCTION

The house phones carry out the intercom service and can, at the same times, reply to external calls. Switching from one service to another is automatic and takes place during the call by means of a reply incorporated in the power supply. When the intercom service is active, nothing can be heard on the outdoor station and vice versa.



\* or 12 wires if a separate bulb power unit is employed.

EQUIPMENT

The following devices are needed for the system illustrated in diagram SC101-0577D:

HOUSE PHONE REFERENCES

|      |  |             |
|------|--|-------------|
| N. 2 | House phones Mod. Atlantico with 1 key | Ref. 1133/1 |
|      | or:                                    |             |
| N. 2 | House phones Mod. 1132 with 1 key      | Ref. 1132/1 |
|      | or:                                    |             |
| N. 2 | House phones Mod. 1131 with 1 key      | Ref. 1131/1 |
| N. 2 | Set of diodes (packing of 10)          | Ref. 1131/4 |

POWER SUPPLY REFERENCES

|      |                         |             |
|------|-------------------------|-------------|
| N. 1 | Power supply with relay | Ref. 786/5A |
|------|-------------------------|-------------|

OUTDOOR STATION REFERENCES

Kombi model

|      |                              |              |
|------|------------------------------|--------------|
| N. 1 | Module with door unit set-up | Ref. 825/212 |
| N. 1 | Amplified door unit          | Ref. 824/500 |

The panels must be installed in flush-mounting boxes with module frames or in cases with hood for wall-mounted versions. Refer to section 2d of technical manual MT101-013 for respective diagrams and installation methods.

or:

725 model

|      |                     |               |
|------|---------------------|---------------|
| N. 1 | Panel with 2 keys   | Ref. 725/102  |
| N. 1 | Amplified door unit | Ref. 5150/500 |

DIAGRAM NOTES

(see section 1)

C4.001  
C4.003  
C4.004  
C4.014  
VX.014

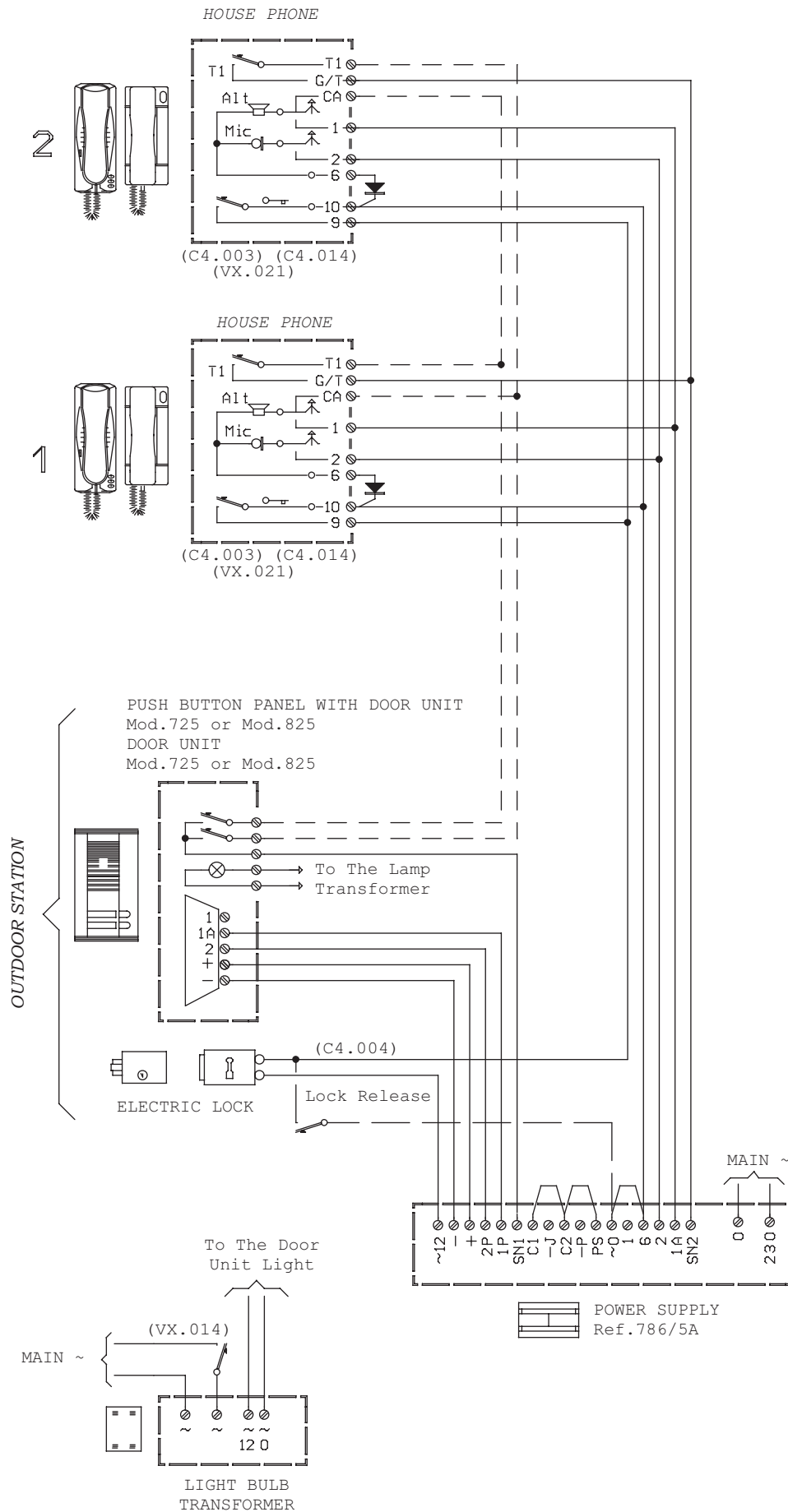
VX.021

Cut or remove the jumpers on the device(s): 6 – 10.



**INTERCOM CONNECTION OF TWO HOUSE PHONES  
WITH THE POSSIBILITY OF REPLY TO OUTDOOR STATION.  
SINGLE CALLS FROM OUTDOOR STATION**

SC101-0577D

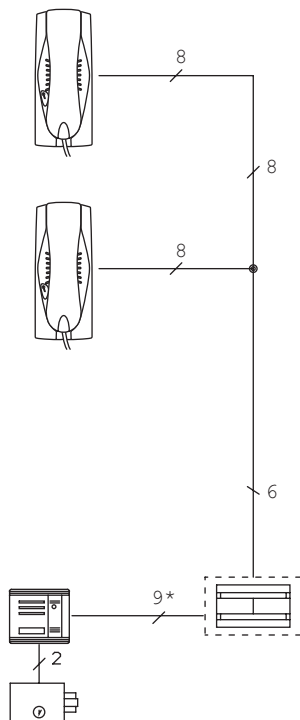


# INTERCOM CONNECTION OF 2 HOUSE PHONES WITH THE POSSIBILITY OF REPLY TO OUTDOOR STATION. PARALLEL CALLS FROM OUTDOOR STATION



## FUNCTION

The house phones carry out the intercom service and can, at the same times, reply to calls external calls. Switching from one service to another is automatic and takes place during the call by means of a reply incorporated in the power supply. When the intercom service is active, nothing can be heard on the outdoor station and vice versa. From the push button panel, all the house phones are called in parallel with a single call key.



\* or 11 wires if a separate bulb power unit is employed.

## EQUIPMENT

The following devices are needed for the system illustrated in diagram SC101-0578D:

### HOUSE PHONE REFERENCES

|      |   |                     |
|------|---|---------------------|
| N. 2 | House phones Mod. Atlantico with 1 key<br>or: | <b>Ref. 1133/1</b>  |
| N. 2 | House phones Mod. 1132 with 1 key<br>or:      | <b>Ref. 1132/1</b>  |
| N. 2 | House phones Mod. 1131 with 1 key             | <b>Ref. 1131/1</b>  |
| N. 2 | Set of diodes (packing of 10)                 | <b>Ref. 1131/4</b>  |
| N. 2 | Extra electronic buzzers                      | <b>Ref. 9854/52</b> |

### POWER SUPPLY REFERENCES

|      |                         |                    |
|------|-------------------------|--------------------|
| N. 1 | Power supply with relay | <b>Ref. 786/5A</b> |
|------|-------------------------|--------------------|

### OUTDOOR STATION REFERENCES

#### Kombi model

|      |                              |                     |
|------|------------------------------|---------------------|
| N. 1 | Module with door unit set-up | <b>Ref. 825/211</b> |
| N. 1 | Amplified door unit          | <b>Ref. 824/500</b> |

The panels must be installed in flush-mounting boxes with module frames or in cases with hood for wall-mounted versions. Refer to section 2d of technical manual MT101-013 for respective diagrams and installation methods.

or:

#### 725 model

|      |                     |                      |
|------|---------------------|----------------------|
| N. 1 | Panel with 2 keys   | <b>Ref. 725/101</b>  |
| N. 1 | Amplified door unit | <b>Ref. 5150/500</b> |

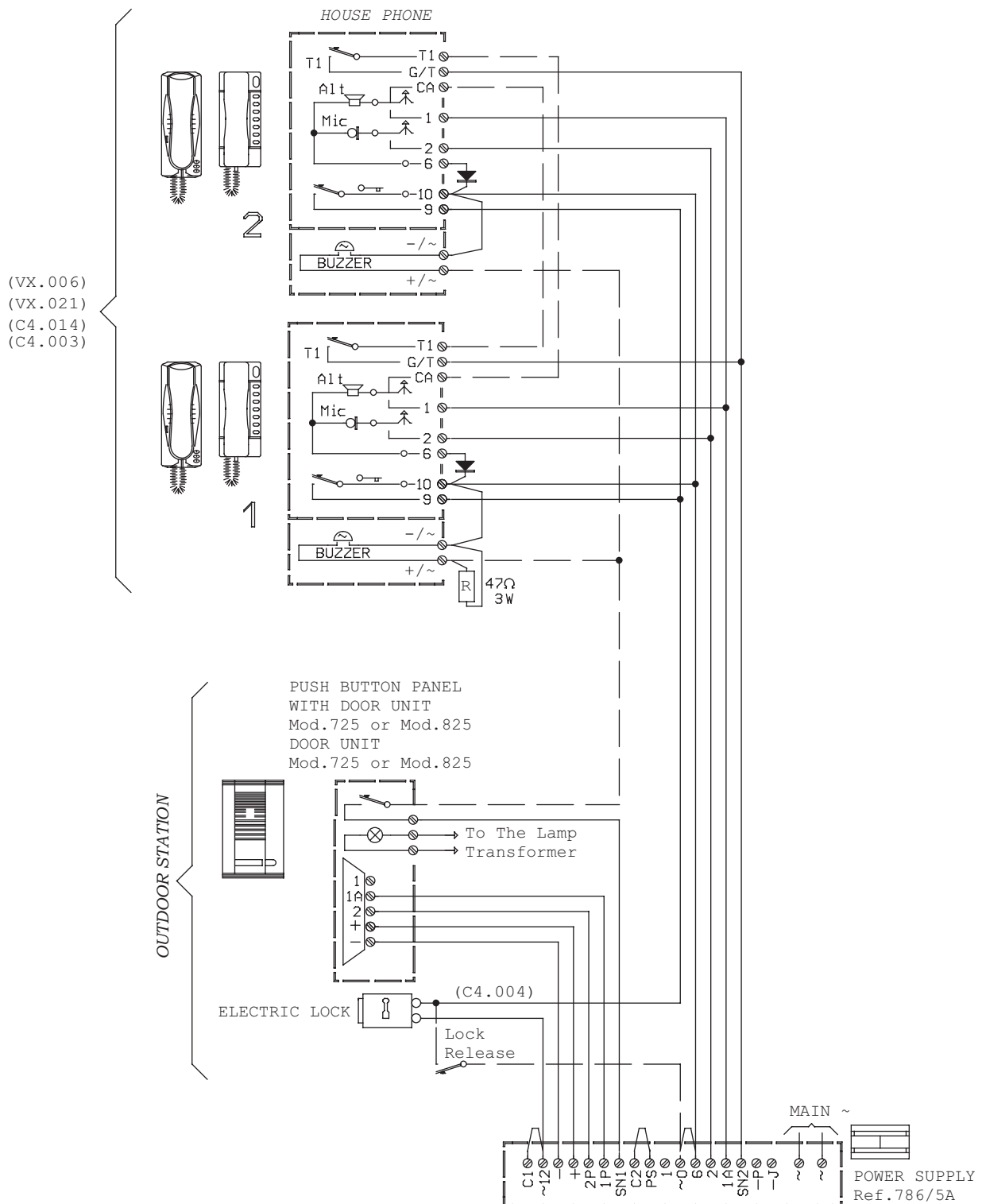
## DIAGRAM NOTES

(see section 1)

C4.001  
C4.003  
C4.004  
C4.014  
VX.006

VX.021

Cut or remove the jumpers on the device(s): 6 – 10.



# INTERCOM CONNECTION OF MAXIMUM 8 HOUSE PHONES WITH THE POSSIBILITY OF REPLY TO OUTDOOR STATION. SINGLE CALLS FROM OUTDOOR STATION

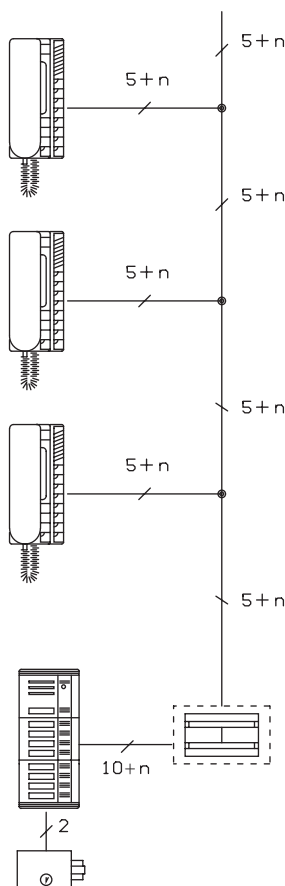
**urmet**  
DOMUS

## FUNCTION

The house phones carry out the intercom service and can, at the same times, reply to external calls.

Switching from one service to another is automatic and takes place during the call by means of a reply incorporated in the power supply. When the intercom service is active, nothing can be heard on the outdoor station and vice versa.

The various device may be called individually from the panel.



## EQUIPMENT

The following devices are needed for the system illustrated in diagram SC101-0839B:

### HOUSE PHONE REFERENCES

|            |                                      |                               |
|------------|--------------------------------------|-------------------------------|
| N. 8       | House phones Mod. 1132 with 1 key    | <b>Ref. 1132/1</b>            |
| N. 48      | Additional buttons (packing of 10pz) | <b>Ref. 1132/55</b>           |
| <i>or:</i> |                                      |                               |
| N. 8       | House phones Mod. 1131               | White colour <b>Ref. 1131</b> |
| N. 8       | 8 buttons add-on                     | <b>Ref. 1131/8</b>            |
| N. 8       | Set of diodes (packing of 10)        | <b>Ref. 1131/4</b>            |

### POWER SUPPLY REFERENCES

|      |                         |                    |
|------|-------------------------|--------------------|
| N. 1 | Power supply with relay | <b>Ref. 786/5A</b> |
|------|-------------------------|--------------------|

### OUTDOOR STATION REFERENCES

#### Kombi model

|      |                              |                     |
|------|------------------------------|---------------------|
| N. 2 | Button modules               | <b>Ref. 825/204</b> |
| N. 1 | Module with door unit set-up | <b>Ref. 825/210</b> |
| N. 1 | Amplified door unit          | <b>Ref. 824/500</b> |

The panels must be installed in flush-mounting boxes with module frames or in cases with hood for wall-mounted versions. Refer to section 2d of technical manual MT101-013 for respective diagrams and installation methods.

*or:*

#### 725 model

|      |                     |                      |
|------|---------------------|----------------------|
| N. 1 | Panel with 8 keys   | <b>Mod. 725/108</b>  |
| N. 1 | Amplified door unit | <b>Ref. 5150/500</b> |

## DIAGRAM NOTES

(see section 1)

**C4.001**

**C4.004**

**C4.014**

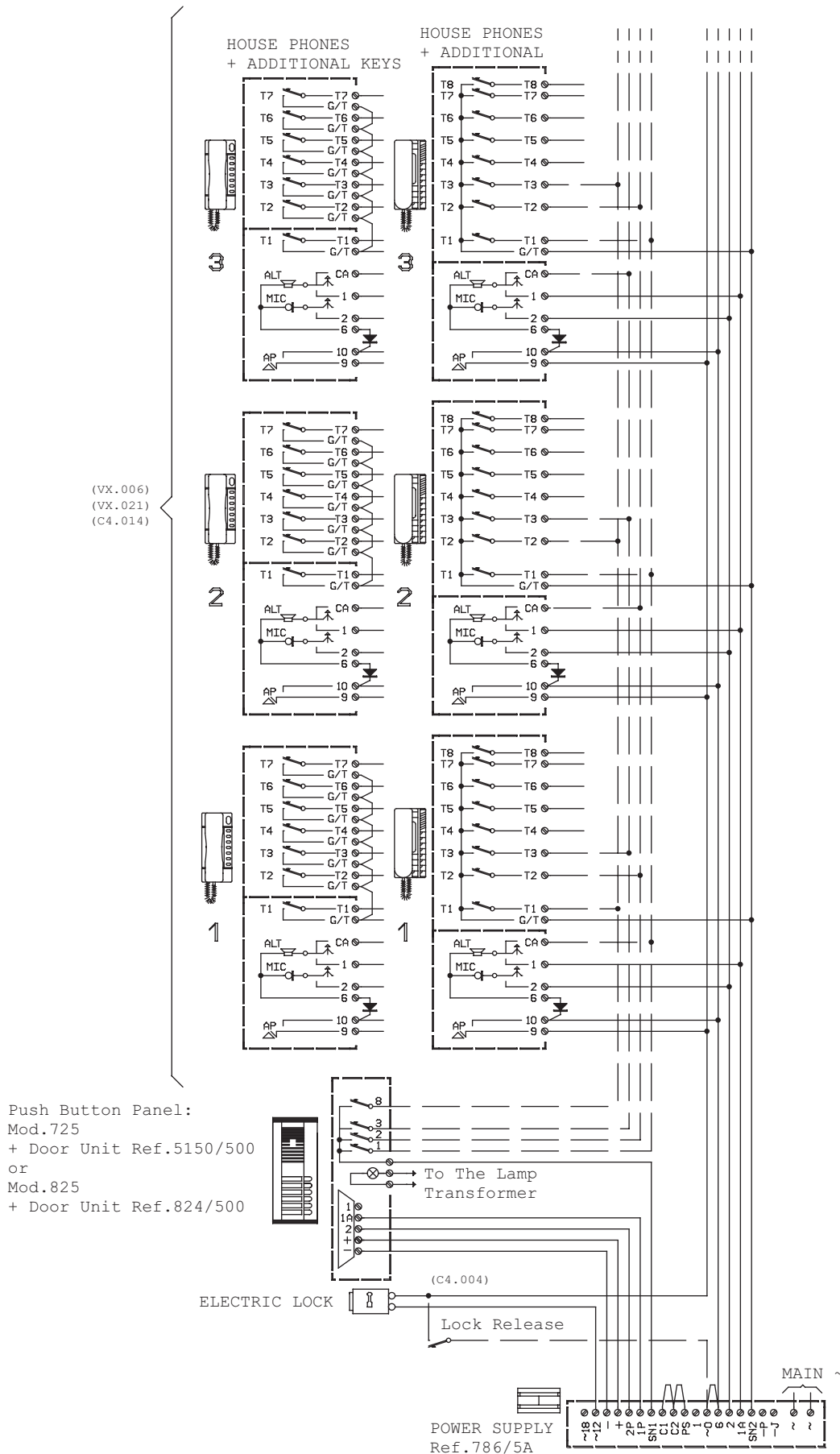
**VX.006**

**VX.021**

Cut or remove the jumpers on the device(s): 6 – 10.

**INTERCOM CONNECTION OF MAXIMUM 8 HOUSE PHONES  
WITH THE POSSIBILITY OF REPLY TO OUTDOOR STATION.  
SINGLE CALLS FROM OUTDOOR STATION**

SC101-0839B



# INTERCOM CONNECTION OF MAXIMUM 8 HOUSE PHONES WITH THE POSSIBILITY OF REPLY TO OUTDOOR STATION. PARALLEL CALLS FROM OUTDOOR STATION

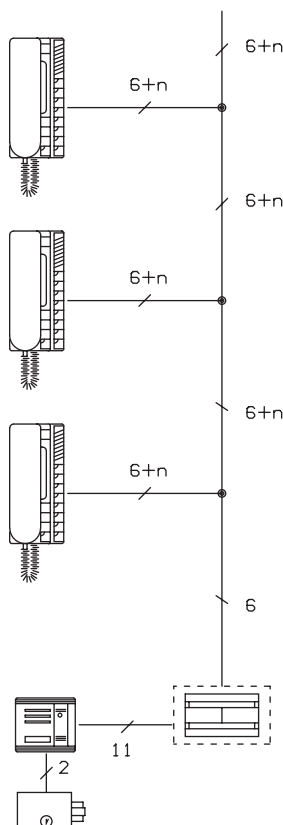
## FUNCTION

The house phones carry out the intercom service and can, at the same times, reply to calls external calls.

Switching from one service to another is automatic and takes place during the call by means of a reply incorporated in the power supply. When the intercom service is active, nothing can be heard on the outdoor station and vice versa.

From the push button panel, all the house phones are called in parallel with a single call key.

The intercom calls are sent to the loudspeaker of the handset (by means of a sound generator) while the calls from the push button panel are sent to the Buzzer. In this way, it is possible to distinguish which service has been called.



## EQUIPMENT

The following devices are needed for the system illustrated in diagram SC101-0841B:

### HOUSE PHONE REFERENCES

|            |                                       |                     |
|------------|---------------------------------------|---------------------|
| N. 8       | House phones Mod. 1132 with 1 key     | <b>Ref. 1132/1</b>  |
| N. 48      | Additional buttons (packing of 10 pz) | <b>Ref. 1132/55</b> |
| <i>or:</i> |                                       |                     |
| N. 8       | House phones Mod. 1131                | <b>Ref. 1131</b>    |
| N. 8       | 8 buttons add-on                      | <b>Ref. 1131/8</b>  |
| N. 8       | Set of diodes (packing of 10)         | <b>Ref. 1131/4</b>  |
| N. 8       | Extra electronic buzzers              | <b>Ref. 9854/52</b> |

### POWER SUPPLY REFERENCES

|      |                         |                    |
|------|-------------------------|--------------------|
| N. 1 | Power supply with relay | <b>Ref. 786/5A</b> |
|------|-------------------------|--------------------|

### OUTDOOR STATION REFERENCES

#### Kombi model

|      |                              |                     |
|------|------------------------------|---------------------|
| N. 1 | Module with door unit set-up | <b>Ref. 825/211</b> |
| N. 1 | Amplified door unit          | <b>Ref. 824/500</b> |

The panels must be installed in flush-mounting boxes with module frames or in cases with hood for wall-mounted versions. Refer to section 2d of technical manual MT101-013 for respective diagrams and installation methods.

*or:*

#### 725 model

|      |                     |                      |
|------|---------------------|----------------------|
| N. 1 | Panel with 2 keys   | <b>Ref. 725/101</b>  |
| N. 1 | Amplified door unit | <b>Ref. 5150/500</b> |

## DIAGRAM NOTES

(see section 1)

C4.001

C4.004

C4.014

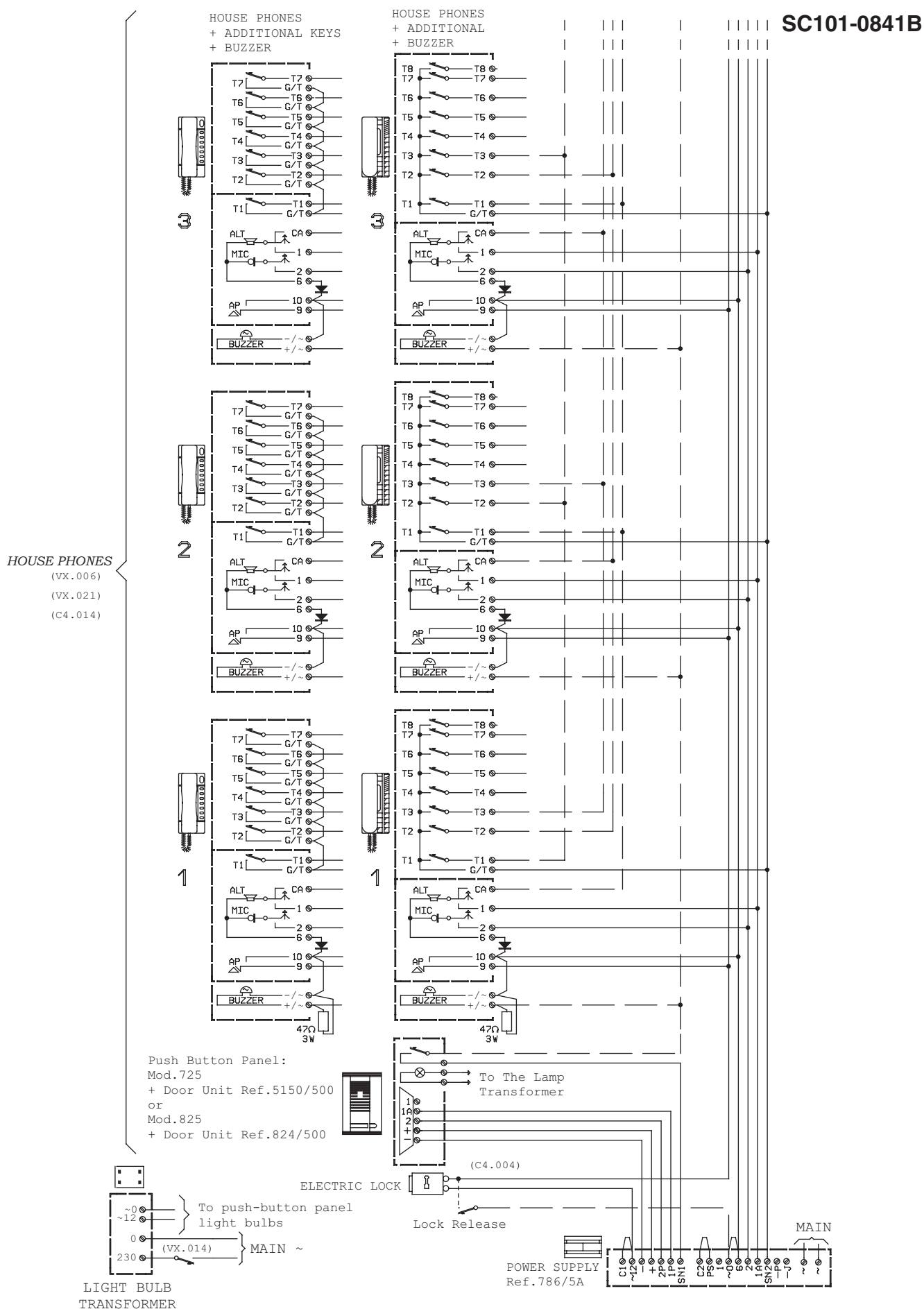
VX.006

VX.014

VX.021

Cut or remove the jumpers on the device(s): 6 – 10.

**INTERCOM CONNECTION OF MAXIMUM 8 HOUSE PHONES  
WITH THE POSSIBILITY OF REPLY TO OUTDOOR STATION.  
PARALLEL CALLS FROM OUTDOOR STATION**



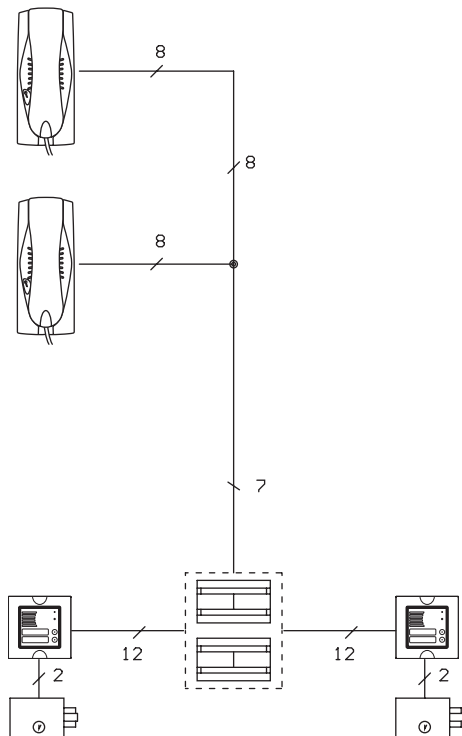
# INTERCOM CONNECTION OF 2 HOUSE PHONES WITH THE POSSIBILITY OF REPLY TO 2 OUTDOOR STATION. SINGLE CALLS FROM OUTDOOR STATION

**urmet**  
DOMUS

## FUNCTION

The house phones carry out the intercom service and can, at the same times, reply to calls from the external push-button panel. Switching from one service to another is automatic and takes place during the call by means of a reply incorporated in the power supply and a separate switching relay.

When the intercom service is active, nothing can be heard on the outdoor station and vice versa.



## EQUIPMENT

The following devices are needed for the system illustrated in diagram SC101-1249:

### HOUSE PHONE REFERENCES

|      |   |                     |
|------|---|---------------------|
| N. 2 | House phones Mod. Atlantico with 1 key<br>or: | <b>Ref. 1133/1</b>  |
| N. 2 | House phones Mod. 1132 with 1 key<br>or:      | <b>Ref. 1132/1</b>  |
| N. 2 | House phones Mod. 1131 with 1 key             | <b>Ref. 1131/1</b>  |
| N. 2 | Set of diodes (packing of 10)                 | <b>Ref. 1131/4</b>  |
| N. 2 | Extra electronic buzzers                      | <b>Ref. 9854/52</b> |

### POWER SUPPLY AND RELAY REFERENCES

|      |                                   |                    |
|------|-----------------------------------|--------------------|
| N. 1 | Power supply with relay           | <b>Ref. 786/5A</b> |
| N. 1 | Relay box for automatic switching | <b>Ref. 788/1</b>  |

### OUTDOOR STATION REFERENCES

#### Sinthesi model

|      |                              |                      |
|------|------------------------------|----------------------|
| N. 2 | Module with door unit set-up | <b>Ref. 1145/22</b>  |
| N. 2 | Amplified door unit          | <b>Ref. 1145/500</b> |

The panels must be installed in flush-mounting boxes with module holder frames or in cases with hood for wall-mounted versions. Refer to section 2a of technical manual MT101-013 for respective diagrams and installation methods.

or:

#### K-steel model

|      |                       |                     |
|------|-----------------------|---------------------|
| N. 2 | Module with door unit | <b>Ref. 1155/22</b> |
|------|-----------------------|---------------------|

The panels must be installed in flush-mounting boxes with module holder frames or in cases with hood for wall-mounted versions. Refer to section 2b of technical manual MT101-013 for respective diagrams and installation methods.

## DIAGRAM NOTES

(see section 1)

**C4.001**

**C4.003**

**C4.006**

Sinthesi models only:  
Connect jumper L with G/T.

**C4.016**

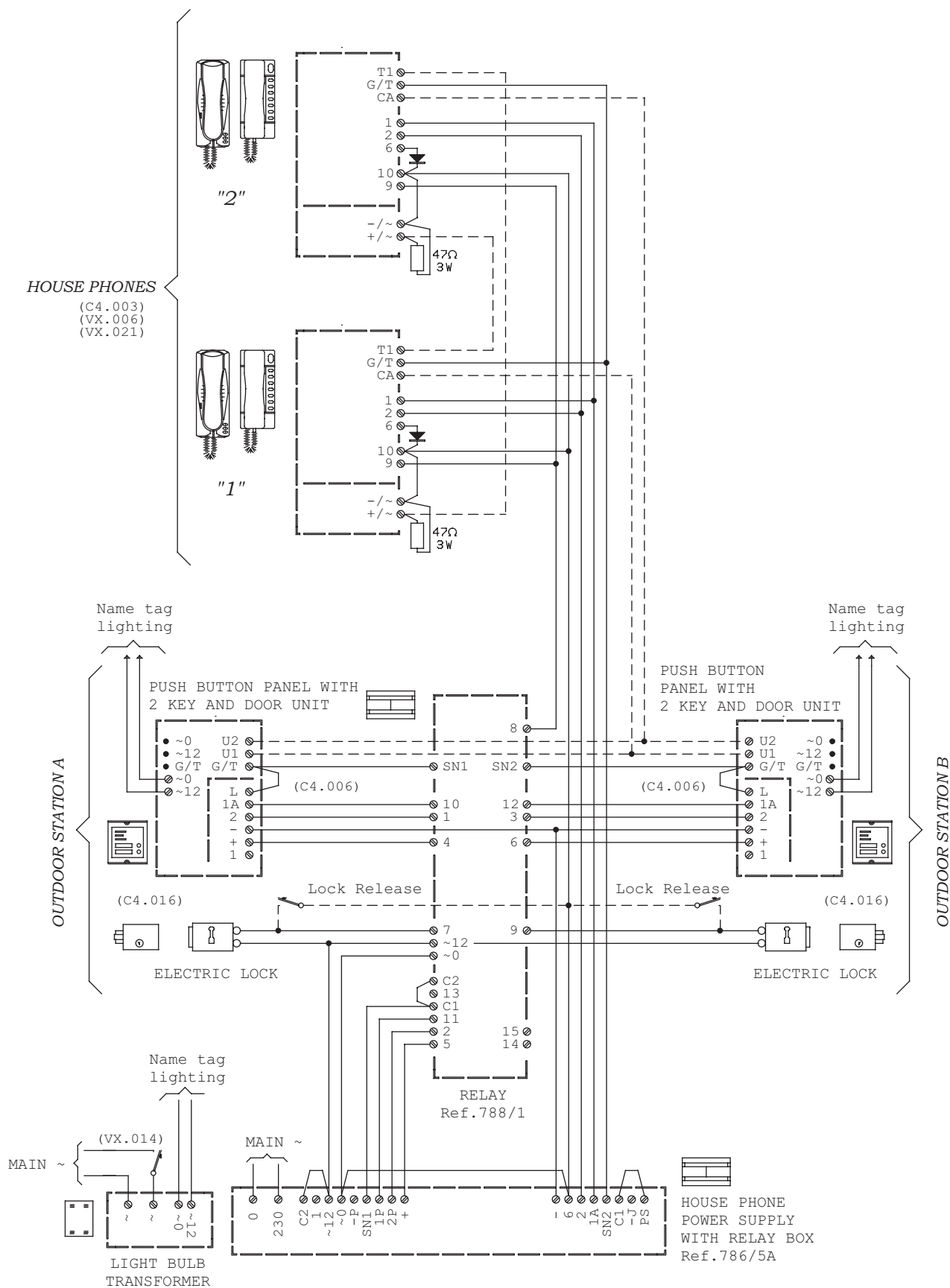
**VX.006**

**VX.014**

**VX.021**

Cut or remove the jumpers on the device(s): 6 – 10.





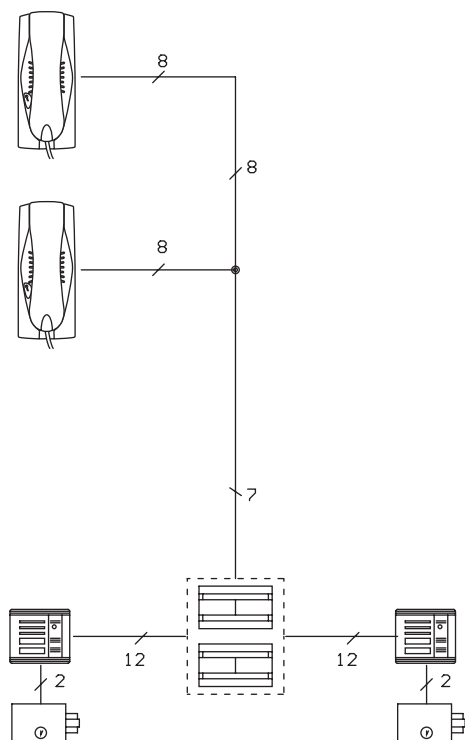
# INTERCOM CONNECTION OF 2 HOUSE PHONES WITH THE POSSIBILITY OF REPLY TO 2 OUTDOOR STATION. SINGLE CALLS FROM OUTDOOR STATION

**urmet**  
DOMUS

## FUNCTION

The house phones carry out the intercom service and can, at the same times, reply to calls from the external push-button panel. Switching from one service to another is automatic and takes place during the call by means of a reply incorporated in the power supply and a separate switching relay.

When the intercom service is active, nothing can be heard on the outdoor station and vice versa.



## EQUIPMENT

The following devices are needed for the system illustrated in diagram SC101-0622C:

### HOUSE PHONE REFERENCES

|      |  |                     |
|------|--|---------------------|
| N. 2 | House phones Mod. Atlantico with 1 key<br><i>or:</i> | <b>Ref. 1133/1</b>  |
| N. 2 | House phones Mod. 1132 with 1 key<br><i>or:</i>      | <b>Ref. 1132/1</b>  |
| N. 2 | House phones Mod. 1131 with 1 key                    | <b>Ref. 1131/1</b>  |
| N. 2 | Set of diodes (packing of 10)                        | <b>Ref. 1131/4</b>  |
| N. 2 | Extra electronic buzzers                             | <b>Ref. 9854/52</b> |

### POWER SUPPLY AND RELAY REFERENCES

|      |                                   |                    |
|------|-----------------------------------|--------------------|
| N. 1 | Power supply with relay           | <b>Ref. 786/5A</b> |
| N. 1 | Relay box for automatic switching | <b>Ref. 788/1</b>  |

### OUTDOOR STATION REFERENCES

#### Kombi model

|      |                              |                     |
|------|------------------------------|---------------------|
| N. 2 | Module with door unit set-up | <b>Ref. 825/212</b> |
| N. 2 | Amplified door unit          | <b>Ref. 824/500</b> |

The panels must be installed in flush-mounting boxes with module frames or in cases with hood for wall-mounted versions. Refer to section 2d of technical manual MT101-013 for respective diagrams and installation methods.

*or:*

#### 725 model

|      |                     |                      |
|------|---------------------|----------------------|
| N. 2 | Panels with 2 keys  | <b>Ref. 725/102</b>  |
| N. 2 | Amplified door unit | <b>Ref. 5150/500</b> |

## DIAGRAM NOTES

(see section 1)

**C4.001**

**C4.003**

**C4.014**

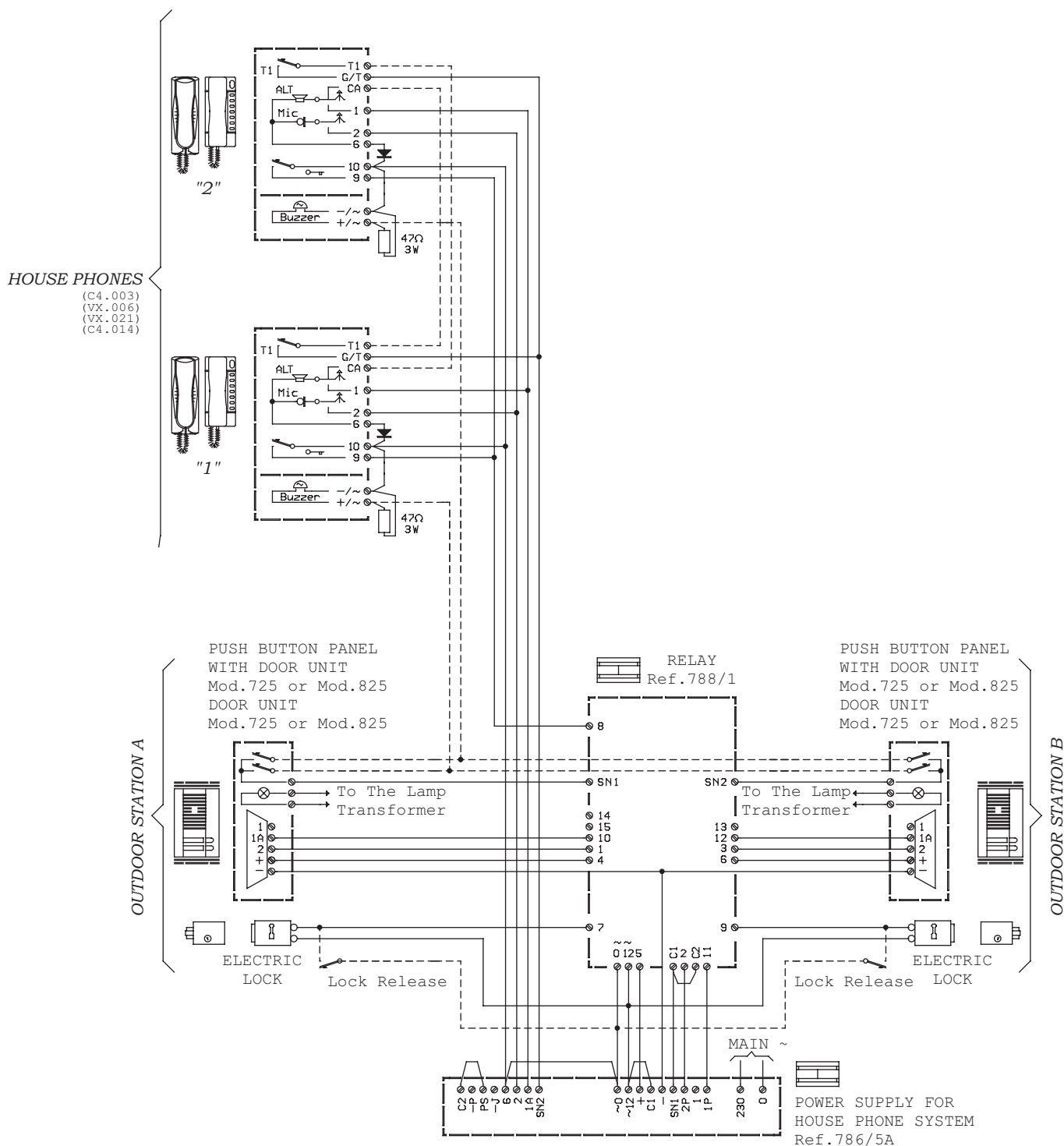
**VX.006**

**VX.021**

Cut or remove the jumpers on the device(s): 6 – 10.

**INTERCOM CONNECTION OF 2 HOUSE PHONES  
WITH THE POSSIBILITY OF REPLY TO 2 OUTDOOR STATION.  
SINGLE CALLS FROM OUTDOOR STATION**

**SC101-0622C**



# INTERCOM CONNECTION OF 2 HOUSE PHONES WITH THE POSSIBILITY OF REPLY TO 2 OUTDOOR STATION. PARALLEL CALLS FROM OUTDOOR STATION

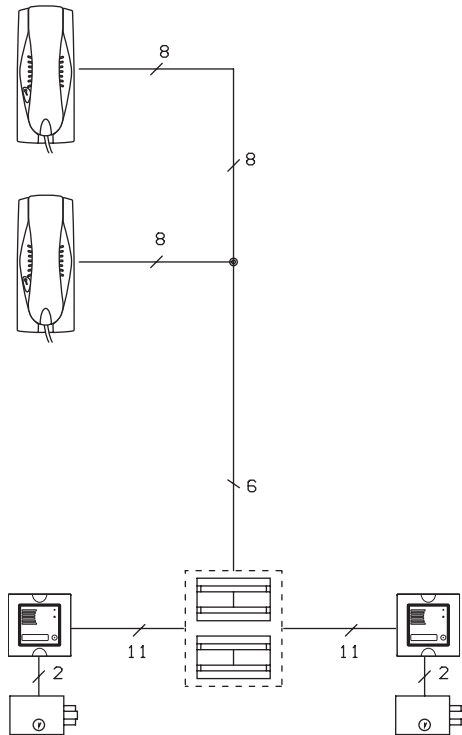
**urmet**  
DOMUS

## FUNCTION

The house phones carry out the intercom service and can, at the same times, reply to calls from the external push-button panel. Switching from one service to another is automatic and takes place during the call by means of a reply incorporated in the power supply and a separate switching relay.

When the intercom service is active, nothing can be heard on the outdoor station and vice versa.

From the push button panel, all the house phones are called in parallel with a single call key.



## EQUIPMENT

The following devices are needed for the system illustrated in diagram SC101-1244:

### HOUSE PHONE REFERENCES

|      |  |                     |
|------|--|---------------------|
| N. 2 | House phones Mod. Atlantico with 1 key<br><i>or:</i> | <b>Ref. 1133/1</b>  |
| N. 2 | House phones Mod. 1132 with 1 key<br><i>or:</i>      | <b>Ref. 1132/1</b>  |
| N. 2 | House phones Mod. 1131 with 1 key                    | <b>Ref. 1131/1</b>  |
| N. 2 | Set of diodes (packing of 10)                        | <b>Ref. 1131/4</b>  |
| N. 2 | Extra electronic buzzers                             | <b>Ref. 9854/52</b> |

### POWER SUPPLY AND RELAY REFERENCES

|      |                                   |                    |
|------|-----------------------------------|--------------------|
| N. 1 | Power supply with relay           | <b>Ref. 786/5A</b> |
| N. 1 | Relay box for automatic switching | <b>Ref. 788/1</b>  |

### OUTDOOR STATION REFERENCES

#### Sinthesi model

|      |                              |                      |
|------|------------------------------|----------------------|
| N. 2 | Module with door unit set-up | <b>Ref. 1145/21</b>  |
| N. 2 | Amplified door unit          | <b>Ref. 1145/500</b> |

The panels must be installed in flush-mounting boxes with module holder frames or in cases with hood for wall-mounted versions. Refer to section 2a of technical manual MT101-013 for respective diagrams and installation methods.

*or:*

#### K-steel model

|      |                       |                     |
|------|-----------------------|---------------------|
| N. 2 | Module with door unit | <b>Ref. 1155/21</b> |
|------|-----------------------|---------------------|

The panels must be installed in flush-mounting boxes with module holder frames or in cases with hood for wall-mounted versions. Refer to section 2b of technical manual MT101-013 for respective diagrams and installation methods.

## DIAGRAM NOTES

(see section 1)

**C4.001**

**C4.003**

**C4.006**

Sinthesi models only:  
Connect jumper L with G/T.

**C4.016**

**VX.006**

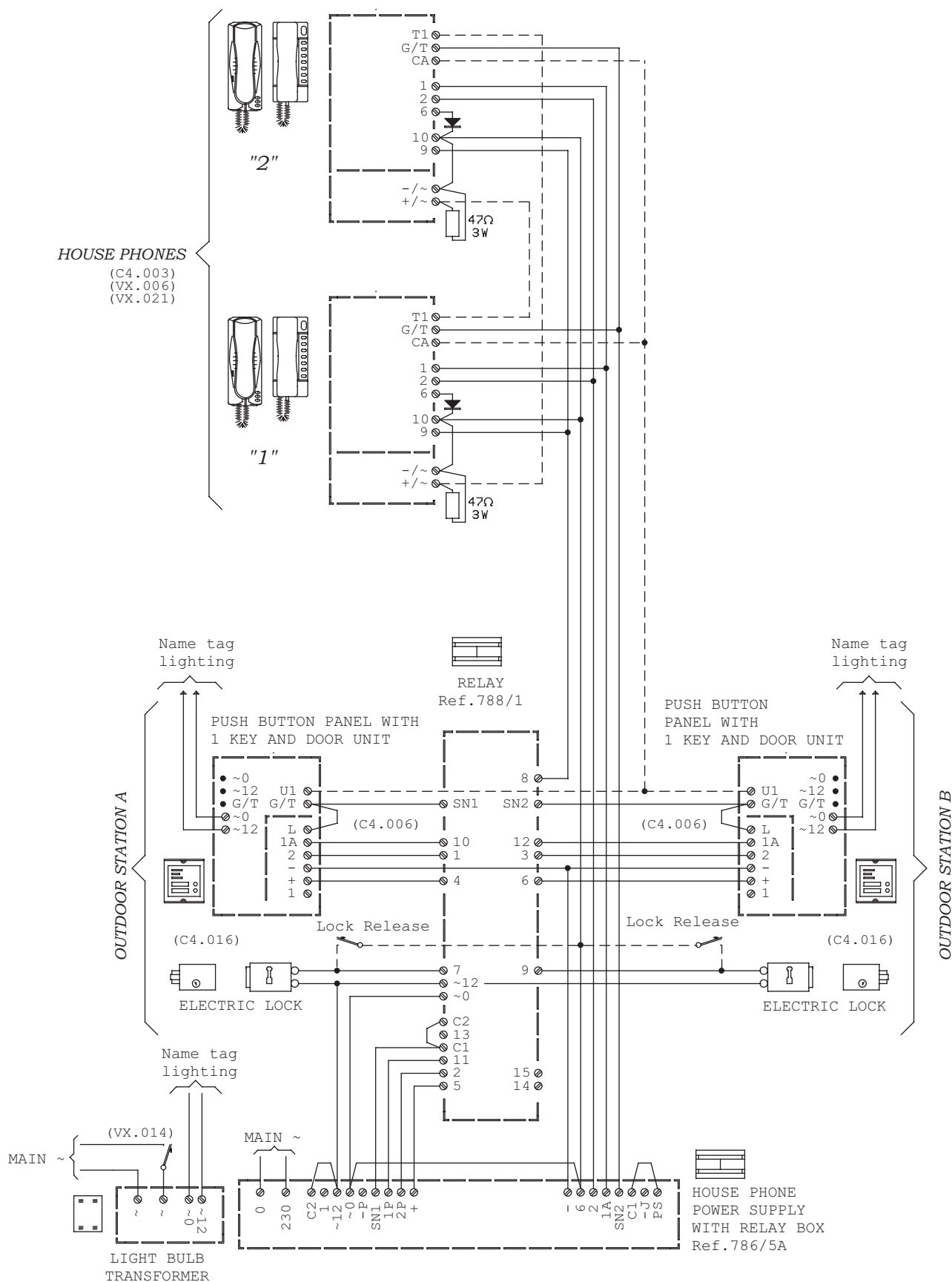
**VX.014**

**VX.021**

Cut or remove the jumpers on the device(s): 6 – 10.

**INTERCOM CONNECTION OF 2 HOUSE PHONES  
WITH THE POSSIBILITY OF REPLY TO 2 OUTDOOR STATION.  
PARALLEL CALLS FROM OUTDOOR STATION**

**SC101-1244**



# INTERCOM CONNECTION OF 2 HOUSE PHONES WITH THE POSSIBILITY OF REPLY TO 2 OUTDOOR STATION. PARALLEL CALLS FROM OUTDOOR STATION

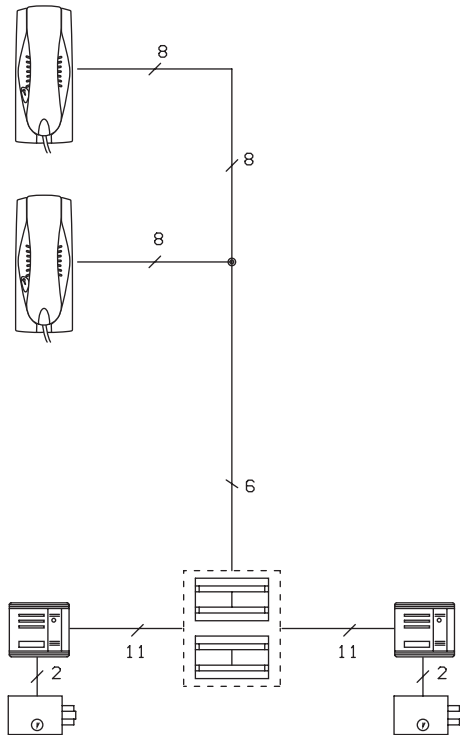
**urmet**  
DOMUS

## FUNCTION

The house phones carry out the intercom service and can, at the same times, reply to calls from the external push-button panel. Switching from one service to another is automatic and takes place during the call by means of a reply incorporated in the power supply and a separate switching relay.

When the intercom service is active, nothing can be heard on the outdoor station and vice versa.

From the push button panel, all the house phones are called in parallel with a single call key.



## EQUIPMENT

The following devices are needed for the system illustrated in diagram SC101-0601C:

### HOUSE PHONE REFERENCES

|      |   |                     |
|------|---|---------------------|
| N. 2 | House phones Mod. Atlantico with 1 key<br>or: | <b>Ref. 1133/1</b>  |
| N. 2 | House phones Mod. 1132 with 1 key<br>or:      | <b>Ref. 1132/1</b>  |
| N. 2 | House phones Mod. 1131 with 1 key             | <b>Ref. 1131/1</b>  |
| N. 2 | Set of diodes (packing of 10)                 | <b>Ref. 1131/4</b>  |
| N. 2 | Extra electronic buzzers                      | <b>Ref. 9854/52</b> |

### POWER SUPPLY AND RELAY REFERENCES

|      |                                   |                    |
|------|-----------------------------------|--------------------|
| N. 1 | Power supply with relay           | <b>Ref. 786/5A</b> |
| N. 1 | Relay box for automatic switching | <b>Ref. 788/1</b>  |

### OUTDOOR STATION REFERENCES

#### Kombi model

|      |                              |                     |
|------|------------------------------|---------------------|
| N. 2 | Module with door unit set-up | <b>Ref. 825/211</b> |
| N. 2 | Amplified door unit          | <b>Ref. 824/500</b> |

The panels must be installed in flush-mounting boxes with module frames or in cases with hood for wall-mounted versions. Refer to section 2d of technical manual MT101-013 for respective diagrams and installation methods.

or:

#### 725 model

|      |                     |                      |
|------|---------------------|----------------------|
| N. 2 | Panel with 1 key    | <b>Ref. 725/101</b>  |
| N. 2 | Amplified door unit | <b>Ref. 5150/500</b> |

## DIAGRAM NOTES

(see section 1)

**C4.001**

**C4.003**

**C4.014**

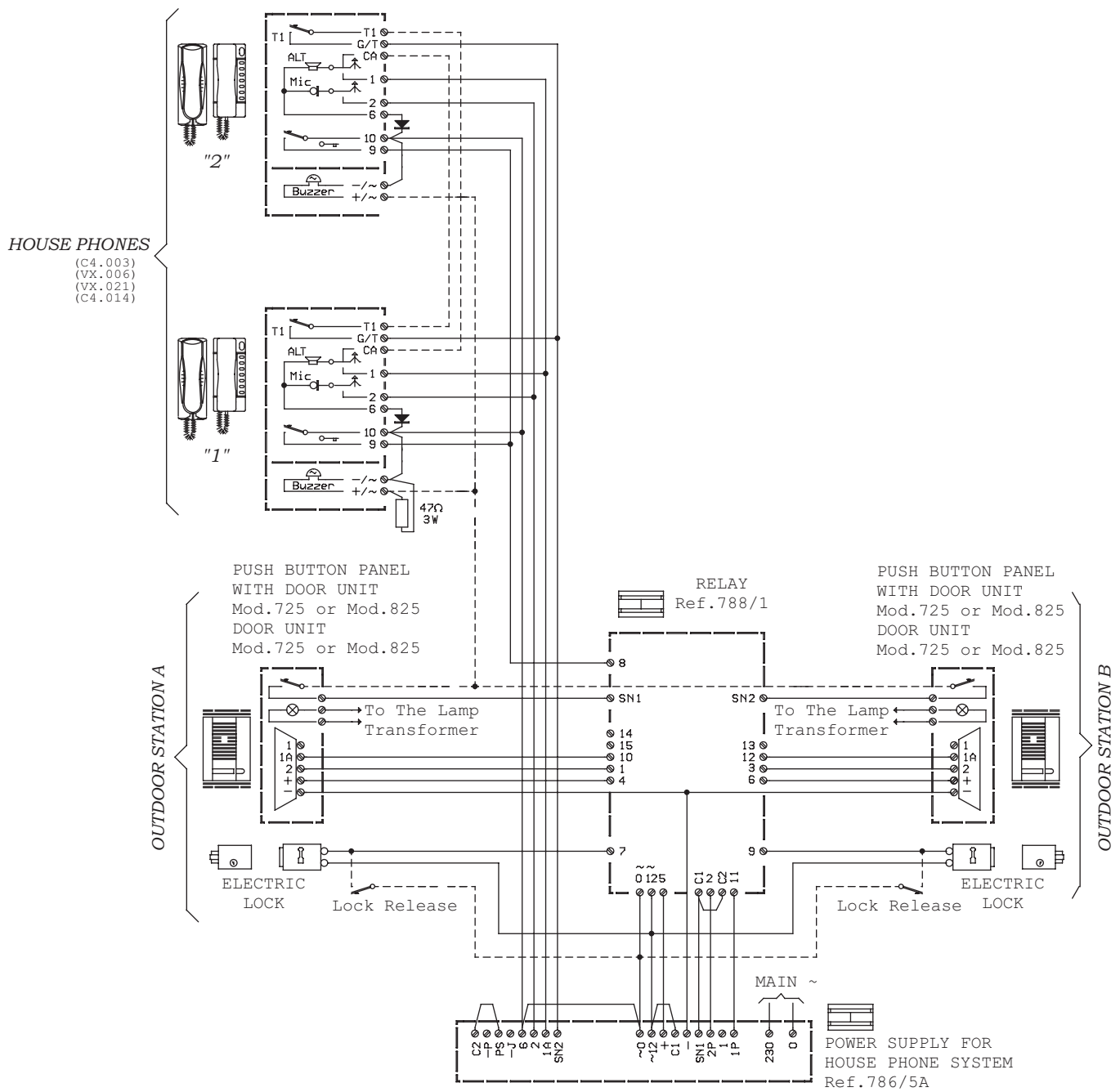
**VX.006**

**VX.021**

Cut or remove the jumpers on the device(s): 6 – 10.

**INTERCOM CONNECTION OF 2 HOUSE PHONES  
WITH THE POSSIBILITY OF REPLY TO 2 OUTDOOR STATION.  
PARALLEL CALLS FROM OUTDOOR STATION**

SC101-0601C

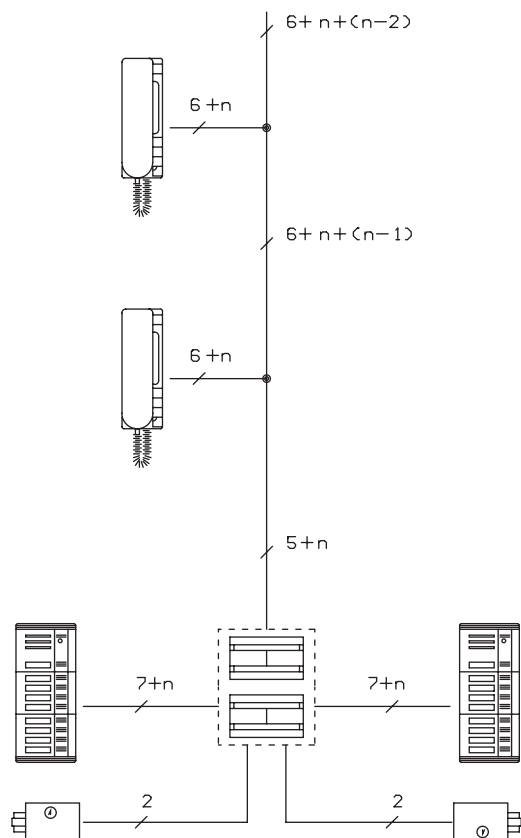


# INTERCOM CONNECTION OF MAXIMUM 8/9 HOUSE PHONES WITH THE POSSIBILITY OF REPLY TO 2 OUTDOOR STATIONS. SINGLE CALLS FROM THE PUSH BUTTON PANELS



## FUNCTION

The house phones carry out the intercom service and can, at the same times, reply to calls from 2 external push button panels. Switching from one service to another is automatic and takes place during the call by means of a separate switching relay. When the intercom service is active, nothing can be heard on the outdoor station and vice versa.



## EQUIPMENT

The following devices are needed for the system illustrated in diagram SC101-0844B:

### HOUSE PHONE REFERENCES

|          |                                       |                     |
|----------|---------------------------------------|---------------------|
| N. 8     | House phones Mod. 1132 with 1 key     | <b>Ref. 1132/1</b>  |
| N. 48    | Additional buttons (packing of 10 pz) | <b>Ref. 1132/55</b> |
| or:      |                                       |                     |
| N. 8     | House phones Mod. 1131                | <b>Ref. 1131</b>    |
| N. 8     | 8 buttons add-on                      | <b>Ref. 1131/8</b>  |
| N. 8 (9) | Set of diodes (packing of 10)         | <b>Ref. 1131/4</b>  |
| N. 8 (9) | Extra electronic buzzers              | <b>Ref. 9854/52</b> |

### POWER SUPPLY AND RELAY REFERENCES

|      |   |                                    |
|------|---|------------------------------------|
| N. 1 | Power supply, available in the following versions:<br>28VA for bar mounting | <b>Ref. 786/1A or Ref. 786/14A</b> |
|      | or:<br>38VA for bar mounting  | <b>Ref. 786/38A</b>                |
| N. 1 | Relay box for automatic switching   | <b>Ref. 788/8</b>                  |

### OUTDOOR STATION REFERENCES

#### Kombi model

|      |                              |                                    |
|------|------------------------------|------------------------------------|
| N. X | Button modules               | <b>Ref. 825/201-/202-/203-/204</b> |
| N. 2 | Module with door unit set-up | <b>Ref. 825/210-/211-/212</b>      |
| N. 2 | Amplified door unit          | <b>Ref. 824/500</b>                |

The panels must be installed in flush-mounting boxes with module frames or in cases with hood for wall-mounted versions. Refer to section 2d of technical manual MT101-013 for respective diagrams and installation methods.

or:

#### 725 model

|      |                     |                      |
|------|---------------------|----------------------|
| N. 2 | Panels              | <b>Mod. 725</b>      |
| N. 2 | Amplified door unit | <b>Ref. 5150/500</b> |

## DIAGRAM NOTES

(see section 1)

C4.001

C4.014

VX.006

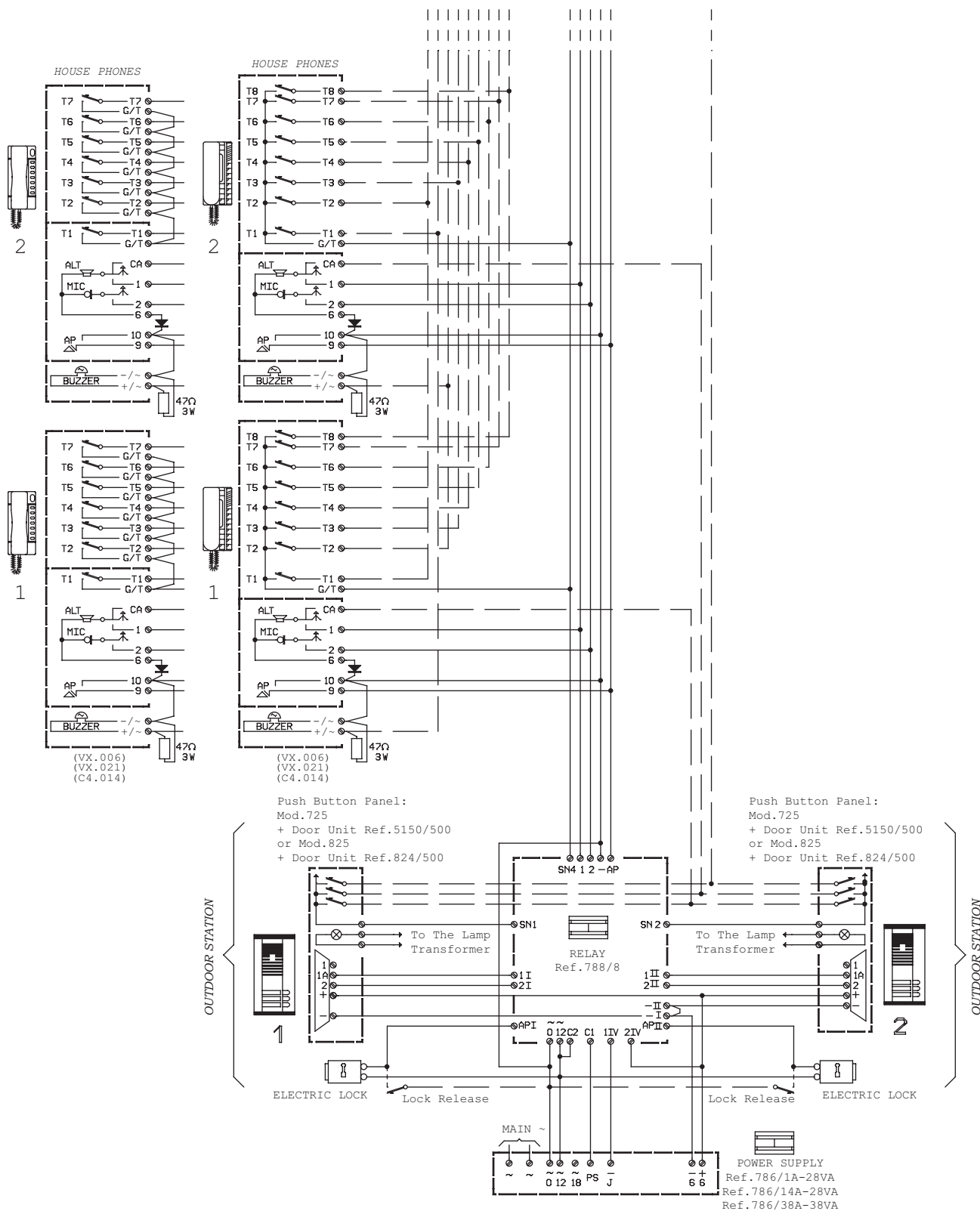
VX.021

Cut or remove the jumpers on the device(s): 6 – 10.



**INTERCOM CONNECTION OF MAXIMUM 8/9 HOUSE PHONES  
WITH THE POSSIBILITY OF REPLY TO 2 OUTDOOR STATIONS.  
SINGLE CALLS FROM THE PUSH BUTTON PANELS**

**SC101-0844B**

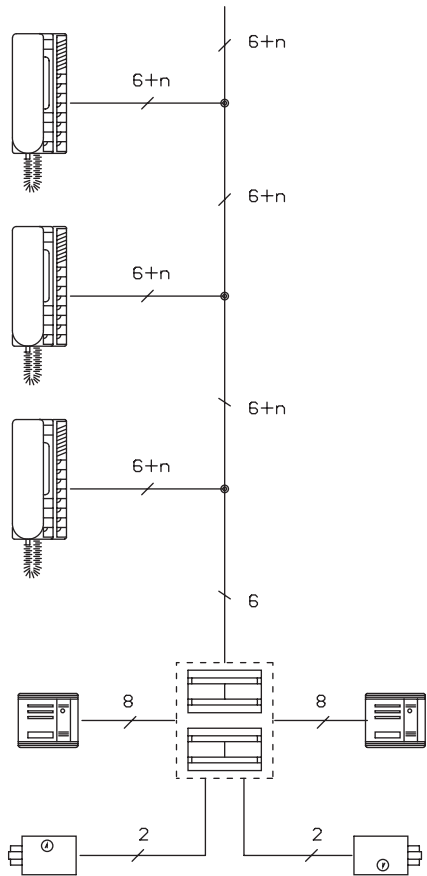


# INTERCOM CONNECTION OF MAXIMUM 8/9 HOUSE PHONES WITH THE POSSIBILITY OF REPLY TO 2 OUTDOOR STATIONS. PARALLEL CALLS FROM THE PUSH BUTTON PANELS



## FUNCTION

The house phones carry out the intercom service and can, at the same times, reply to calls from 2 external push button panels. Switching from one service to another is automatic and takes place during the call by means of a separate switching relay. When the intercom service is active, nothing can be heard on the outdoor station and vice versa. From the push button panel, all the house phones are called in parallel with a single call key.



## EQUIPMENT

The following devices are needed for the system illustrated in diagram SC101-0866D:

### HOUSE PHONE REFERENCES

|          |                                       |              |
|----------|---------------------------------------|--------------|
| N. 8     | House phones Mod. 1132 with 1 key     | Ref. 1132/1  |
| N. 48    | Additional buttons (packing of 10 pz) | Ref. 1132/55 |
|          | or:                                   |              |
| N. 8     | House phones Mod. 1131                | Ref. 1131    |
| N. 8     | 8 buttons add-on                      | Ref. 1131/8  |
| N. 8 (9) | Set of diodes (packing of 10)         | Ref. 1131/4  |
| N. 8 (9) | Extra electronic buzzers              | Ref. 9854/52 |

### POWER SUPPLY AND RELAY REFERENCES

|      |   |                             |
|------|---|-----------------------------|
| N. 1 | Power supply, available in the following versions:<br>28VA for bar mounting | Ref. 786/1A or Ref. 786/14A |
|      | or:   |                             |
|      | 38VA for bar mounting   | Ref. 786/38A                |
| N. 1 | Relay box for automatic switching   | Ref. 788/8                  |

### OUTDOOR STATION REFERENCES

#### Kombi model

|      |                              |              |
|------|------------------------------|--------------|
| N. 2 | Module with door unit set-up | Ref. 825/211 |
| N. 2 | Amplified door unit          | Ref. 824/500 |

The panels must be installed in flush-mounting boxes with module frames or in cases with hood for wall-mounted versions. Refer to section 2d of technical manual MT101-013 for respective diagrams and installation methods.

or:

#### 725 model

|      |                     |               |
|------|---------------------|---------------|
| N. 2 | Panels              | Ref. 725/101  |
| N. 2 | Amplified door unit | Ref. 5150/500 |

## DIAGRAM NOTES

(see section 1)

C4.001

C4.014

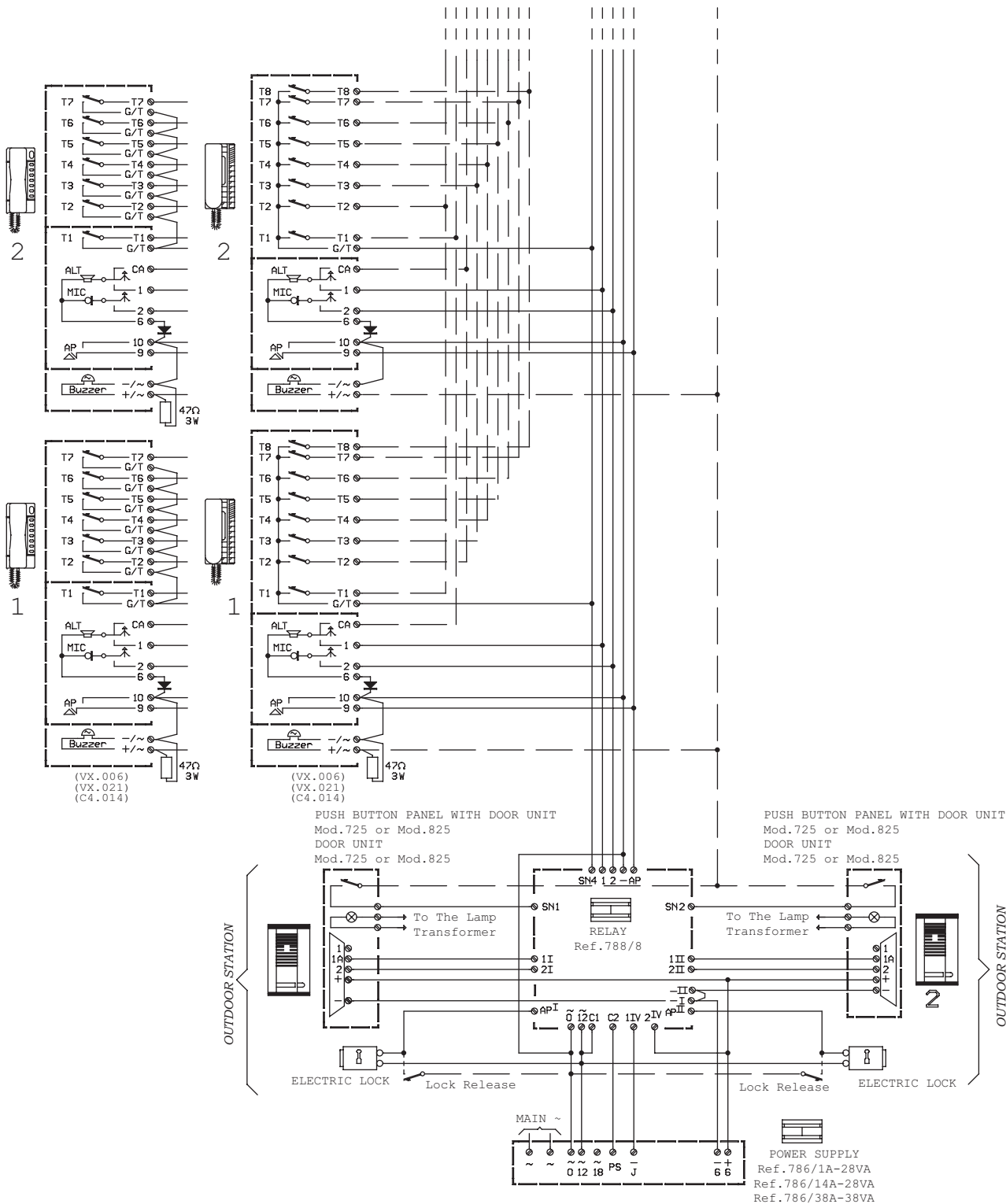
VX.006

VX.021

Cut or remove the jumpers on the device(s): 6 – 10.

**INTERCOM CONNECTION OF MAXIMUM 8/9 HOUSE PHONES  
WITH THE POSSIBILITY OF REPLY TO 2 OUTDOOR STATIONS.  
PARALLEL CALLS FROM THE PUSH BUTTON PANELS**

SC101-0866D



## CONNECTION OF HOUSE PHONES TO AN OUTDOOR STATION WITH SECRECY OF CONVERSATION

### FUNCTION

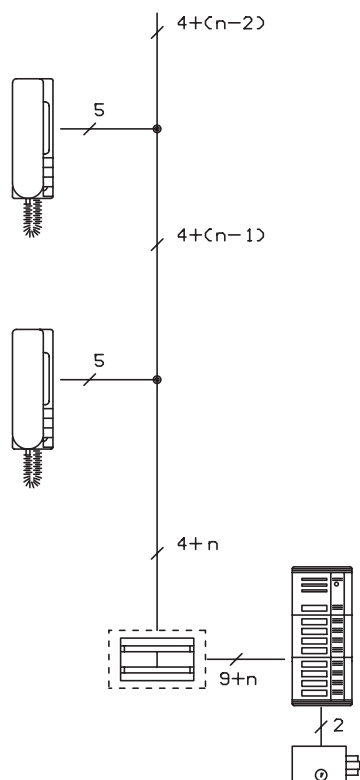
To assure the secrecy of conversation to all the house phones of the house phone system, a device Ref. 1131/5 shall be inserted in each house phone and a switch-off device Ref. 5330/60 in the push button panel.

So, all the house phones will be cut off from any conversation (nothing can be heard when unhooking the handset); only the called house phone can start a conversation with the caller, no other being able to intercept the call.

The house phone is activated to communicate from the call up to the following call. If it is not direct to the same set the call release the house phone from the connection with the loudspeaking unit.

The secrecy device offers two possibilities of electric lock opening:

- **NORMAL OPENING (solution A):** which takes place each time the hook lever of any house phone is pressed to the bottom;
- **ACTIVATED OPENING (solution B):** the electric lock can be activated only after a call, and only from the called house phone.



### EQUIPMENT

The following devices are needed for the systems illustrated in diagrams SC101-1134A or SC101-0223D:

#### HOUSE PHONE REFERENCES

|      |   |              |   |
|------|---|--------------|---|
| N. X | House phones Mod. 1132<br>Black colour<br>or: | White colour | <b>Ref. 1132</b><br><b>Ref. 1132/40</b> |
| N. X | House phones Mod. 1131                        | White colour | <b>Ref. 1131</b>                        |
| N. X | Conversation privacy device                   |              | <b>Ref. 1131/5</b>                      |

#### POWER SUPPLY REFERENCES

|      |   |   |
|------|---|---|
| N. 1 | Power supply, available in the following versions:<br>28VA for bar mounting<br>or:<br>38VA for bar mounting | <b>Ref. 786/1A or Ref. 786/14A</b><br><b>Ref. 786/38A</b> |
|------|---|---|

#### OUTDOOR STATION REFERENCES FOR DIAGRAM SC101-1134A

##### Sinthesi model

|      |                              |                                 |
|------|------------------------------|---------------------------------|
| N. Y | Button modules               | <b>Ref. 1145/11-/12-/13-/14</b> |
| N. 1 | Module with door unit set-up | <b>Ref. 1145/20-/21-/22</b>     |
| N. 1 | Amplified door unit          | <b>Ref. 1145/500</b>            |
| N. 1 | Switch off privacy device    | <b>Ref. 5330/60</b>             |

The panels must be installed in flush-mounting boxes with module holder frames or in cases with hood for wall-mounted versions. Refer to section 2a of technical manual MT101-013 for respective diagrams and installation methods.

or:

##### K-steel model

|      |                           |                                 |
|------|---------------------------|---------------------------------|
| N. Y | Button modules            | <b>Ref. 1155/11-/12-/13-/14</b> |
| N. 1 | Module with door unit     | <b>Ref. 1155/20-/21-/22</b>     |
| N. 1 | Switch off privacy device | <b>Ref. 1155/75</b>             |

The panels must be installed in flush-mounting boxes with module holder frames or in cases with hood for wall-mounted versions. Refer to section 2b of technical manual MT101-013 for respective diagrams and installation methods.

#### OUTDOOR STATION REFERENCES FOR DIAGRAM SC101-0223D

##### Kombi model

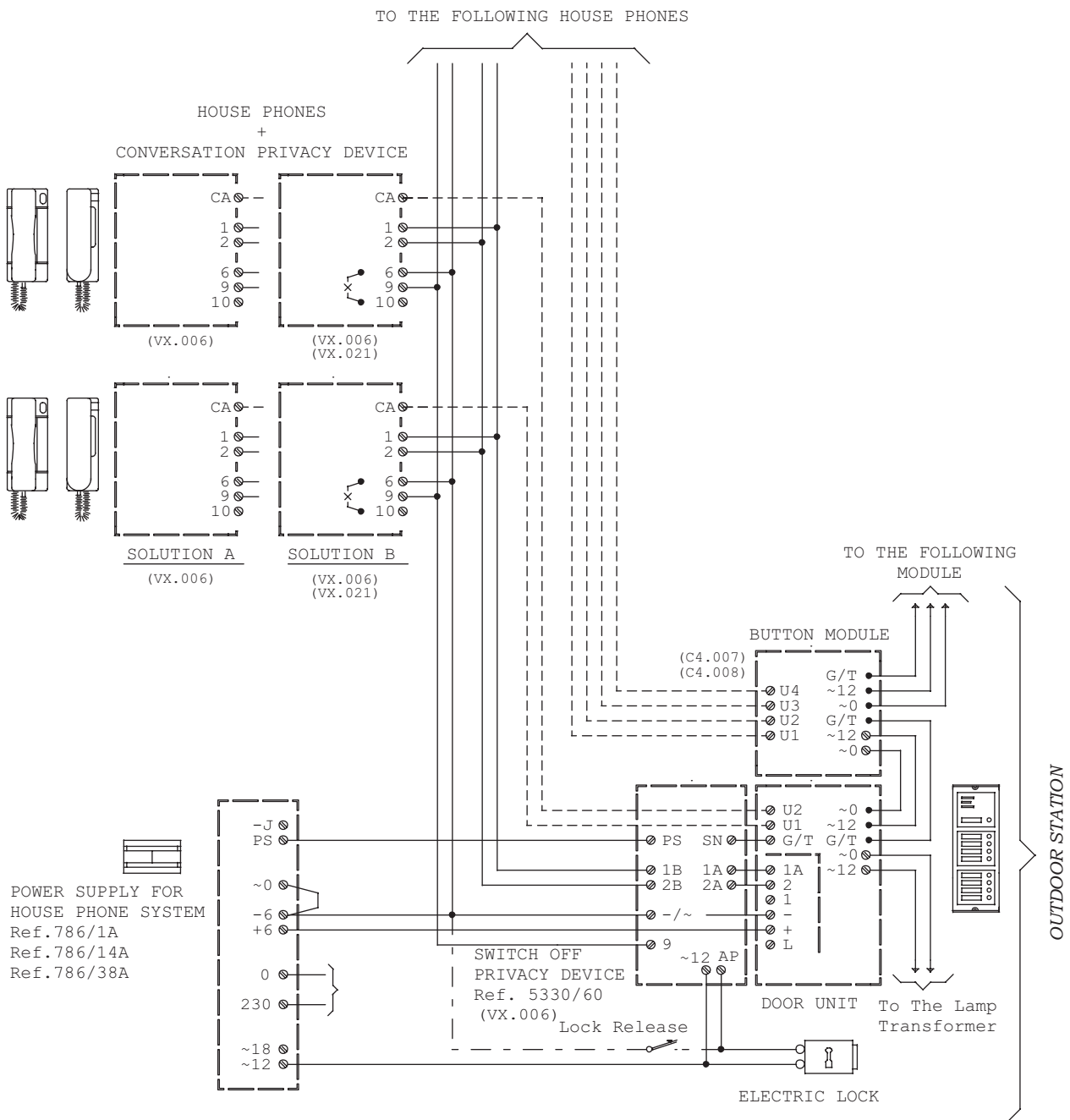
|      |                              |                                    |
|------|------------------------------|------------------------------------|
| N. Y | Button modules               | <b>Ref. 825/201-/202-/203-/204</b> |
| N. 1 | Module with door unit set-up | <b>Ref. 825/210-/211-/212</b>      |
| N. 1 | Amplified door unit          | <b>Ref. 824/500</b>                |
| N. 1 | Switch off privacy device    | <b>Ref. 5330/60</b>                |

The panels must be installed in flush-mounting boxes with module frames or in cases with hood for wall-mounted versions. Refer to section 2d of technical manual MT101-013 for respective diagrams and installation methods.

or:

##### 725 model

|      |                           |                      |
|------|---------------------------|----------------------|
| N. 1 | Panel with N buttons      | <b>Mod. 725</b>      |
| N. 1 | Amplified door unit       | <b>Ref. 5150/500</b> |
| N. 1 | Switch off privacy device | <b>Ref. 5330/60</b>  |



## DIAGRAM NOTES

(see section 1)

C4.001  
C4.007  
C4.008  
VX.006

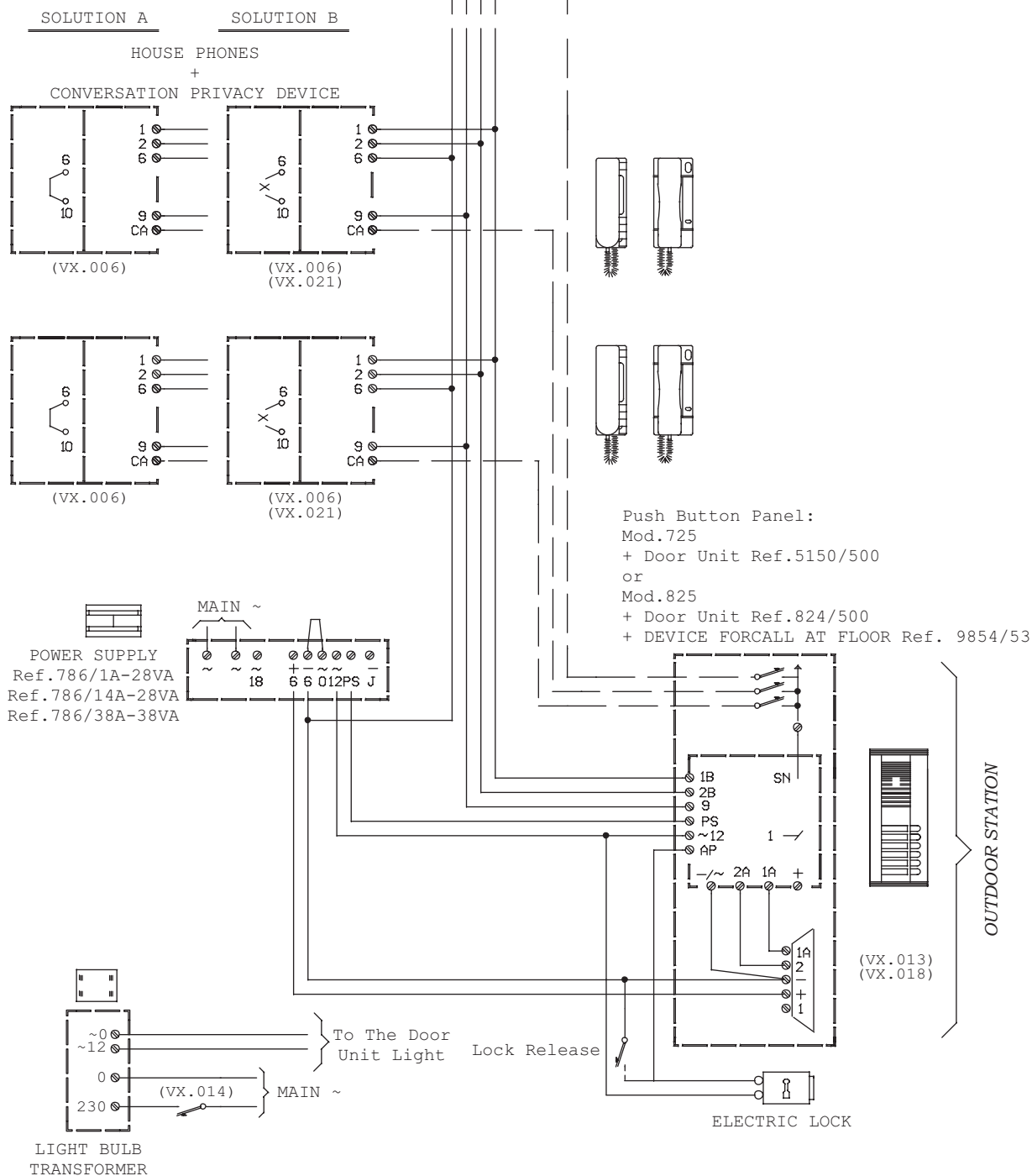
VX.021

Cut or remove the jumpers on the device(s): 6 – 10 (solution B only).

# CONNECTION OF HOUSE PHONES TO AN OUTDOOR STATION WITH SECRECY OF CONVERSATION

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## SC101-0223D



## DIAGRAM NOTES

(see section 1)

**C4.001**

**VX.006**

**VX.013**

**VX.014**

**VX.018**

Connect the following jumpers on the device:

- 1A with 1A
- 2A with 2
- /~ with ~
- keys common with SN

**VX.021**

Cut or remove the jumpers on the device(s): 6 - 10 (solution B only).

# **BASIC DIAGRAMS FOR 1+1 WIRE ELECTRONIC DOOR PHONE SYSTEMS**

Download from:  
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Technical Manuals area  
MT101-014\_sec.1b.pdf





|  | <b>Diagram</b>                                | <b>Sec.</b> | <b>Pag.</b> |
|--|---|-------------|-------------|
| <b>BASIC DIAGRAMS FOR 1+1 WIRE ELECTRONIC DOOR PHONE SYSTEMS</b>   |   |             |             |
| CONNECTION OF HOUSE PHONES TO 1 OUTDOOR STATION<br>WITH SECRECY OF CONVERSATION .....  | SC101-1135C - SC101-0494E - SC101-0932B ..... | 1b .....    | <b>2</b>    |
| CONNECTION OF HOUSE PHONES TO 1 OUTDOOR STATION<br>WITH SECRECY OF CONVERSATION<br>(Panels Mod. Sinthesi or K-Steel) .....                           | SC101-1135C .....                             | 1b .....    | <b>3</b>    |
| CONNECTION OF HOUSE PHONES TO 1 OUTDOOR STATION<br>WITH SECRECY OF CONVERSATION<br>(Panels Mod. Kombi) .....   | SC101-0494E .....                             | 1b .....    | <b>4</b>    |
| CONNECTION OF HOUSE PHONES TO 1 OUTDOOR STATION<br>WITH SECRECY OF CONVERSATION<br>(Panels Mod. 725) .....   | SC101-0932B .....                             | 1b .....    | <b>5</b>    |
| CONNECTION OF HOUSE PHONES TO TWO OUTDOOR STATIONS IN AUTOMATIC SWITCHING<br>WITH SECRECY OF CONVERSATION .....                                      | SC101-1210 - SC101-0403H - SC101-0937A .....  | 1b .....    | <b>6</b>    |
| CONNECTION OF HOUSE PHONES TO TWO OUTDOOR STATIONS IN AUTOMATIC SWITCHING<br>WITH SECRECY OF CONVERSATION<br>(Panels Mod. Sinthesi or K-Steel) ..... | SC101-1210 .....                              | 1b .....    | <b>7</b>    |
| CONNECTION OF HOUSE PHONES TO TWO OUTDOOR STATIONS IN AUTOMATIC SWITCHING<br>WITH SECRECY OF CONVERSATION<br>(Panels Mod. Kombi) .....               | SC101-0403H .....                             | 1b .....    | <b>8</b>    |
| CONNECTION OF HOUSE PHONES TO TWO OUTDOOR STATIONS IN AUTOMATIC SWITCHING<br>WITH SECRECY OF CONVERSATION<br>(Panels Mod. 725) .....                 | SC101-0937A .....                             | 1b .....    | <b>9</b>    |
| CONNECTION OF HOUSE PHONES TO FOUR OUTDOOR STATIONS IN AUTOMATIC SWITCHING<br>WITH SECRECY OF CONVERSATION .....                                     | SC101-1218 .....                              | 1b .....    | <b>10</b>   |
| CONNECTION OF HOUSE PHONES TO A CONCIERGE SWITCHBOARD<br>WITH NIGHT SERVICE SWITCH TO DOOR UNIT .....  | SC101-0930B .....                             | 1b .....    | <b>12</b>   |

# CONNECTION OF HOUSE PHONES TO 1 OUTDOOR STATION WITH SECRECY OF CONVERSATION

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## FUNCTION

1+1 wire system allows to obtain the service of a standard outdoor set installation with conversation, call, electric lock opening, with only 2 wires in the rising column: 1 common + 1 single for each house phone.

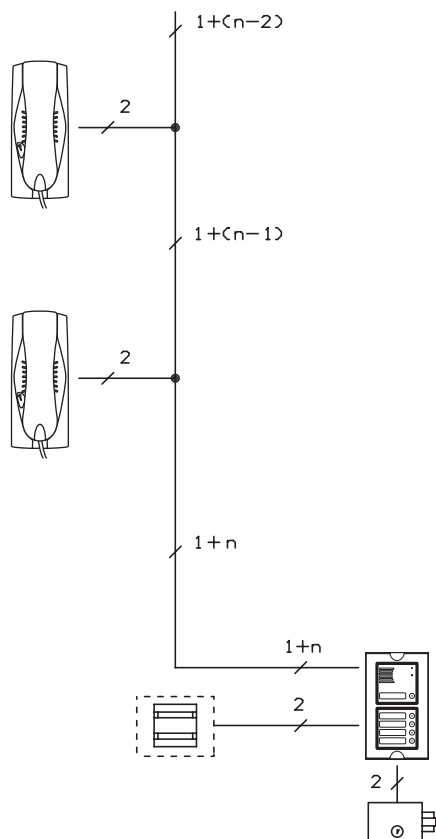
The outdoor set is fed, with two wires only, by a 12V a.c. voltage transformer.

To assure secrecy to all the house phones, special devices for secrecy of conversation are inserted into the push button panel (one for each key).

So, all the house phones will be cut off from any conversation (nothing can be heard when picking up the handset); only the called house phone can start a conversation with the caller, no other being able to intercept the call.

The called house is qualified to talk until another call is made from the push button panel to other house phone.

The electric lock opening depends from the circuit of secrecy of conversation (the lock cannot be operated unless the house phone has been called).



## EQUIPMENT

The following devices are needed for the systems illustrated in diagrams SC101-1135C, SC101-0494E, SC101-0932B:

### HOUSE PHONE REFERENCES

|      |                             |                      |
|------|-----------------------------|----------------------|
| N. X | House phones Mod. Atlantico | <b>Ref. 1133/35A</b> |
|      | or:                         |                      |
| N. X | House phones Mod. 1132      | <b>Ref. 1132/35</b>  |
|      | or:                         |                      |
| N. X | House phones Mod. 1131      | <b>Ref. 1131/35</b>  |

### POWER SUPPLY REFERENCES

|      |             |                      |
|------|-------------|----------------------|
| N. 1 | Transformer | <b>Ref. 9000/230</b> |
|------|-------------|----------------------|

### OUTDOOR STATION REFERENCES

#### Sinthesi model (SC101-1135C)

|        |                              |                                 |
|--------|------------------------------|---------------------------------|
| N. Y   | Button modules               | <b>Ref. 1145/11-/12-/13-/14</b> |
| N. 1   | Module with door unit set-up | <b>Ref. 1145/20-/21-/22</b>     |
| N. 1   | Amplified door unit          | <b>Ref. 1145/67</b>             |
| N. X/4 | Conversation privacy device  | <b>Ref. 1145/74</b>             |

The panels must be installed in flush-mounting boxes with module holder frames or in cases with hood for wall-mounted versions. Refer to section 2a of technical manual MT101-013 for respective diagrams and installation methods.

or:

#### K-steel model (SC101-1135C)

|        |                             |                                 |
|--------|-----------------------------|---------------------------------|
| N. Y   | Button modules              | <b>Ref. 1155/11-/12-/13-/14</b> |
| N. 1   | Module with door unit       | <b>Ref. 1155/30-/31-/32</b>     |
| N. X/4 | Conversation privacy device | <b>Ref. 1155/74</b>             |

The panels must be installed in flush-mounting boxes with module holder frames or in cases with hood for wall-mounted versions. Refer to section 2b of technical manual MT101-013 for respective diagrams and installation methods.

or:

#### Kombi model (SC101-0494E)

|        |                              |                                    |
|--------|------------------------------|------------------------------------|
| N. Y   | Button modules               | <b>Ref. 825/201-/202-/203-/204</b> |
| N. 1   | Module with door unit set-up | <b>Ref. 825/15-/16-/17</b>         |
| N. 1   | Amplified door unit          | <b>Ref. 1035/67</b>                |
| N. X/4 | Conversation privacy device  | <b>Ref. 1035/74</b>                |

The panels must be installed in flush-mounting boxes with module frames or in cases with hood for wall-mounted versions. Refer to section 2d of technical manual MT101-013 for respective diagrams and installation methods.

or:

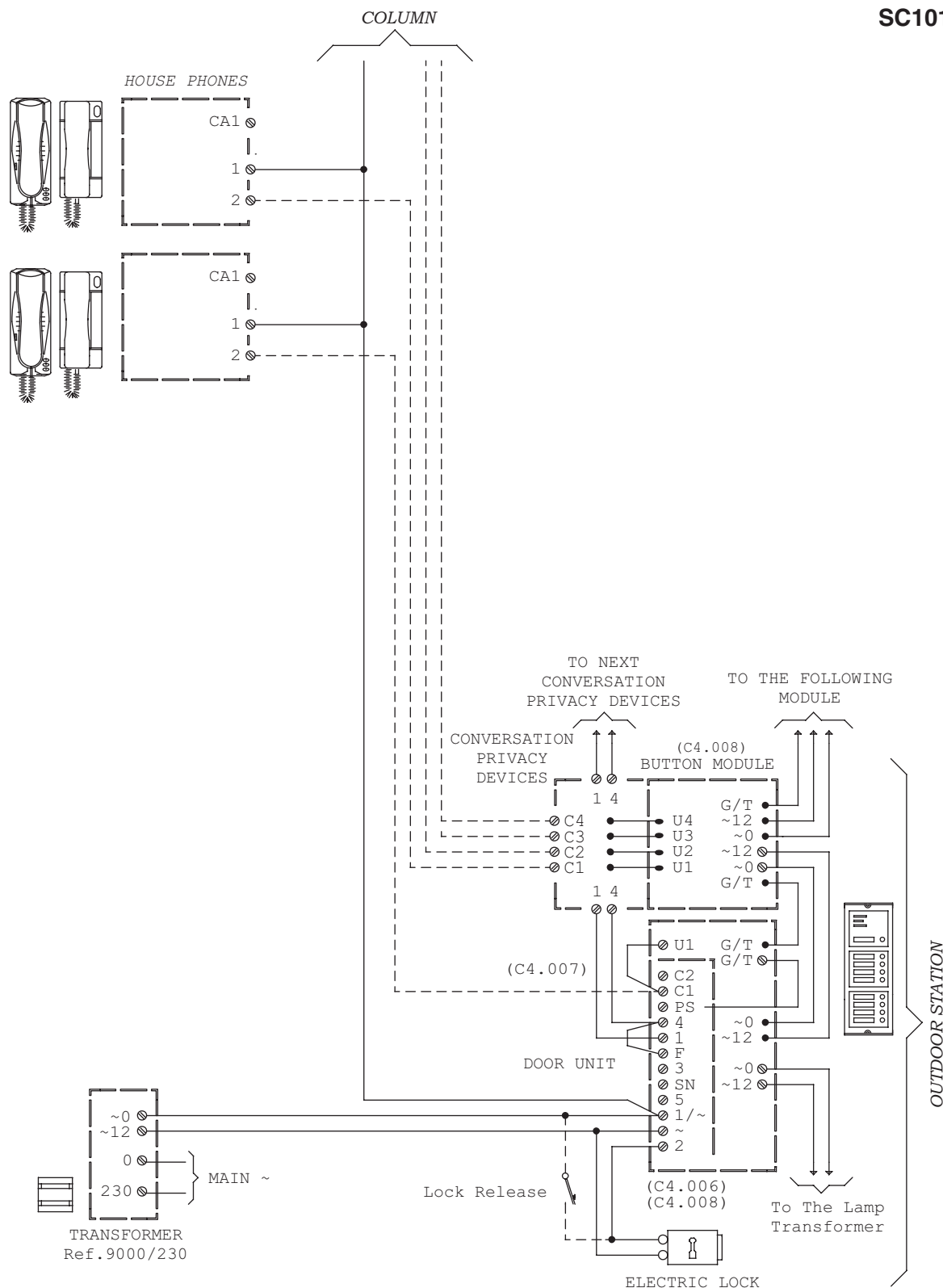
#### 725 model (SC101-0932B)

|        |                             |                     |
|--------|-----------------------------|---------------------|
| N. 1   | Panel with N buttons        | <b>Mod. 725</b>     |
| N. 1   | Amplified door unit         | <b>Ref. 1035/67</b> |
| N. X/4 | Conversation privacy device | <b>Ref. 1035/25</b> |

The door panel codes and installation methods are shown in technical manual MT101-013 section 2e.

**CONNECTION OF HOUSE PHONES TO 1 OUTDOOR STATION  
WITH SECRECY OF CONVERSATION  
(Panels Mod. Sinthesi or K-Steel)**

SC101-1135C



**DIAGRAM NOTES**

(see section 1)  
**C1.002**

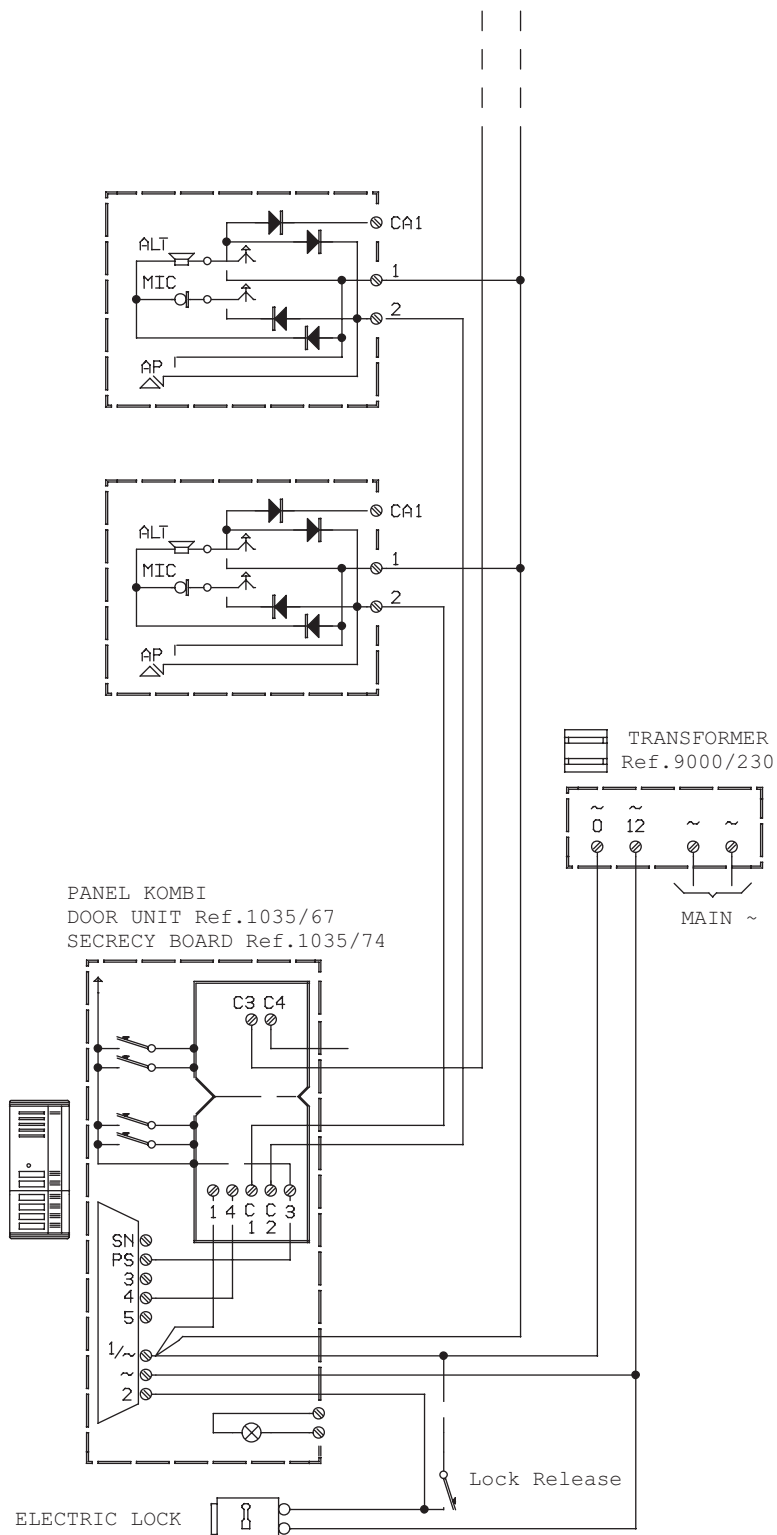
**C4.006**  
Sinthesi models only:  
Connect jumper C1 with U1.

**C4.007**  
**C4.008**

# CONNECTION OF HOUSE PHONES TO 1 OUTDOOR STATION WITH SECRECY OF CONVERSATION (Panels Mod. Kombi)

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SC101-0494E

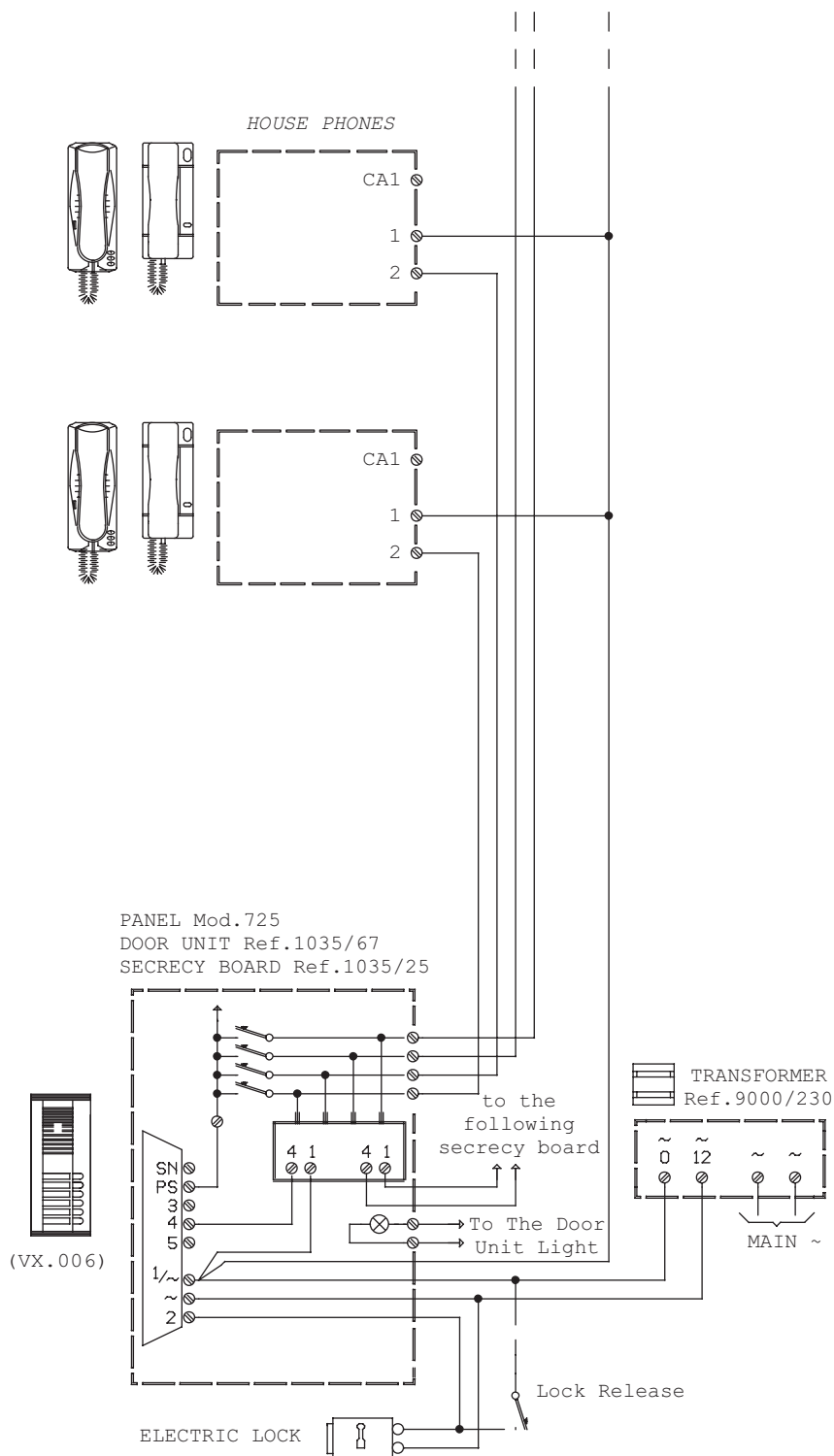


## DIAGRAM NOTES

(see section 1)  
C1.002

**CONNECTION OF HOUSE PHONES TO 1 OUTDOOR STATION  
WITH SECRECY OF CONVERSATION  
(Panels Mod. 725)**

SC101-0932B



**DIAGRAM NOTES**

(see section 1)  
C1.002  
VX.006

# CONNECTION OF HOUSE PHONES TO TWO OUTDOOR STATIONS IN AUTOMATIC SWITCHING WITH SECRECY OF CONVERSATION

**urmet**  
DOMUS

## FUNCTION

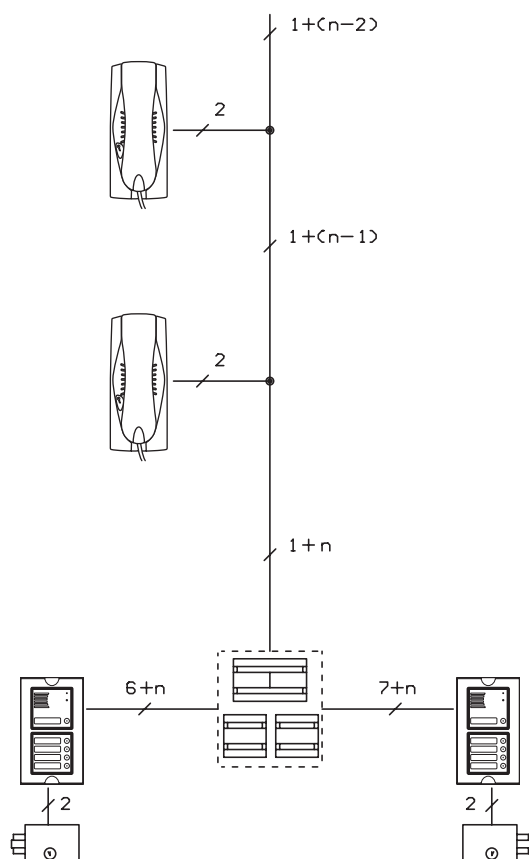
The 1+1 wire house phone system makes it possible to set up systems in which a house phone riser is to be connected to two entrances each with 1 push button panel with related loudspeaking unit.

Adding a specific relay device, a person can press a key of one of the two push button panels so that the user of the house phone called, on lifting the handset, is automatically connected with the calling push button panel excluding the other service.

Therefore in this system, it is not possible to speak from two outdoor stations at the same time in that functioning of these is alternative.

to guarantee secrecy of conversation of all the house phones in the system, the specific secrecy circuits (one for each button) are inserted inside only one of the two push button panels.

Release of the electric lock is also enabled by the secrecy circuit. This means that a user cannot release the lock unless he/she has been called and can open only the lock corresponding to the push button panel from which the call has been made.



## EQUIPMENT

The following devices are needed for the systems illustrated in diagrams SC101-1210, SC101-0403H, SC101-0937A:

### HOUSE PHONE REFERENCES

|      |                             |                      |
|------|-----------------------------|----------------------|
| N. X | House phones Mod. Atlantico | <b>Ref. 1133/35A</b> |
|      | or:                         |                      |
| N. X | House phones Mod. 1132      | <b>Ref. 1132/35</b>  |
|      | or:                         |                      |
| N. X | House phones Mod. 1131      | <b>Ref. 1131/35</b>  |

### POWER SUPPLY REFERENCES

|      |                                   |                      |
|------|-----------------------------------|----------------------|
| N. 2 | Transformer                       | <b>Ref. 9000/230</b> |
| N. 1 | Relay box for automatic switching | <b>Ref. 788/1</b>    |

### OUTDOOR STATION REFERENCES

#### Sinthesi model (SC101-1210)

|        |                              |                                 |
|--------|------------------------------|---------------------------------|
| N. Y   | Button modules               | <b>Ref. 1145/11-/12-/13-/14</b> |
| N. 2   | Module with door unit set-up | <b>Ref. 1145/20-/21-/22</b>     |
| N. 2   | Amplified door unit          | <b>Ref. 1145/67</b>             |
| N. X/4 | Conversation privacy device  | <b>Ref. 1145/74</b>             |

The panels must be installed in flush-mounting boxes with module holder frames or in cases with hood for wall-mounted versions. Refer to section 2a of technical manual MT101-013 for respective diagrams and installation methods.

or:

#### K-steel model (SC101-1210)

|        |                             |                                 |
|--------|-----------------------------|---------------------------------|
| N. Y   | Button modules              | <b>Ref. 1155/11-/12-/13-/14</b> |
| N. 2   | Module with door unit       | <b>Ref. 1155/30-/31-/32</b>     |
| N. X/4 | Conversation privacy device | <b>Ref. 1155/74</b>             |

The panels must be installed in flush-mounting boxes with module holder frames or in cases with hood for wall-mounted versions. Refer to section 2b of technical manual MT101-013 for respective diagrams and installation methods.

or:

#### Kombi model (SC101-0403H)

|        |                              |                                    |
|--------|------------------------------|------------------------------------|
| N. Y   | Button modules               | <b>Ref. 825/201-/202-/203-/204</b> |
| N. 2   | Module with door unit set-up | <b>Ref. 825/15-/16-/17</b>         |
| N. 2   | Amplified door unit          | <b>Ref. 1035/67</b>                |
| N. X/4 | Conversation privacy device  | <b>Ref. 1035/74</b>                |

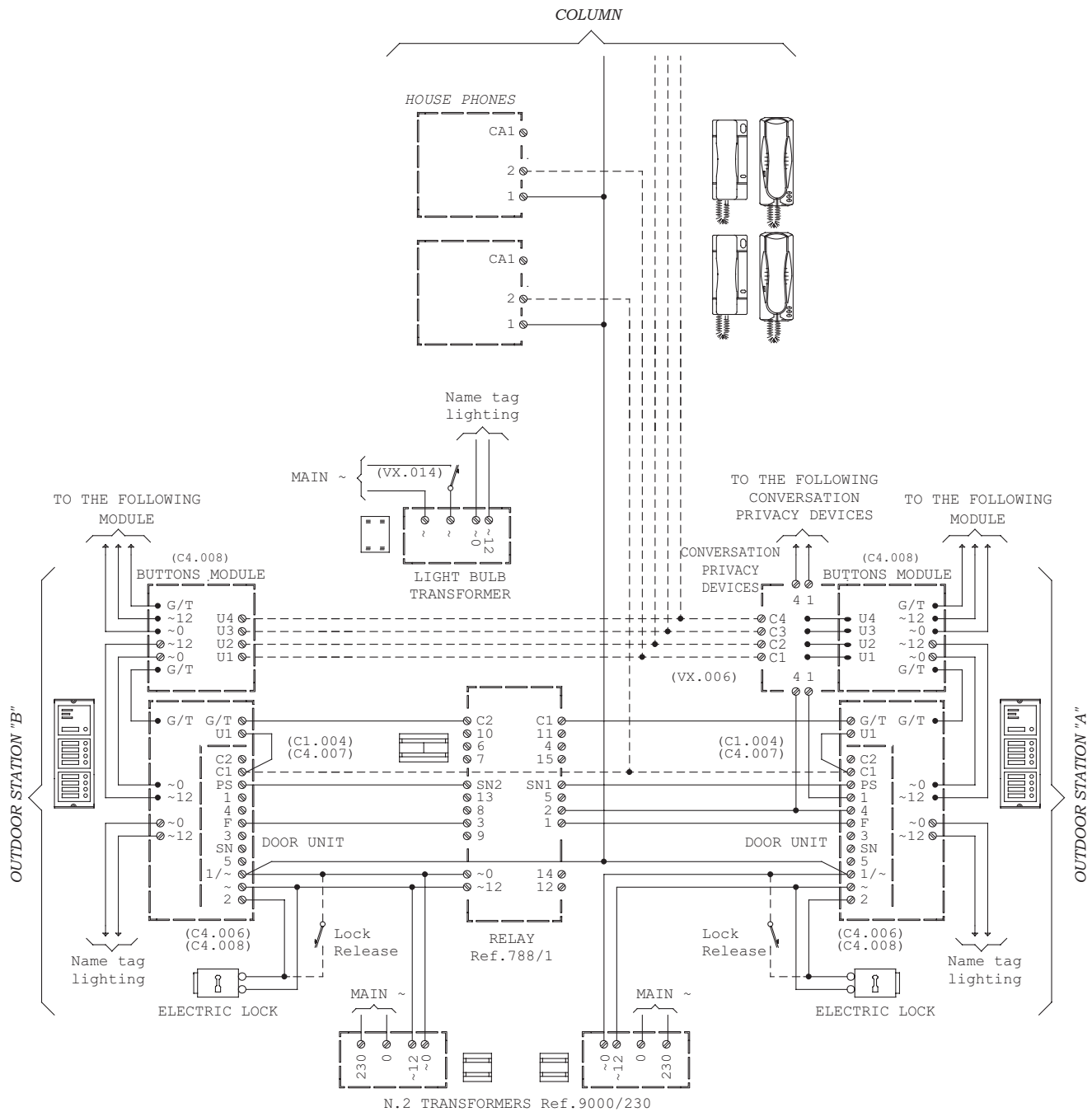
The panels must be installed in flush-mounting boxes with module frames or in cases with hood for wall-mounted versions. Refer to section 2d of technical manual MT101-013 for respective diagrams and installation methods.

or:

#### 725 model (SC101-0937A)

|        |                             |                     |
|--------|-----------------------------|---------------------|
| N. 2   | Panels with N buttons       | <b>Mod. 725</b>     |
| N. 2   | Amplified door unit         | <b>Ref. 1035/67</b> |
| N. X/4 | Conversation privacy device | <b>Ref. 1035/25</b> |

The door panel codes and installation methods are shown in technical manual MT101-013 section 2e.



## DIAGRAM NOTES

(see section 1)

**C1.002**

**C1.004**

**C4.006**

Sinthesi models only:  
Connect jumper C1 with U1.

**C4.007**

**C4.008**

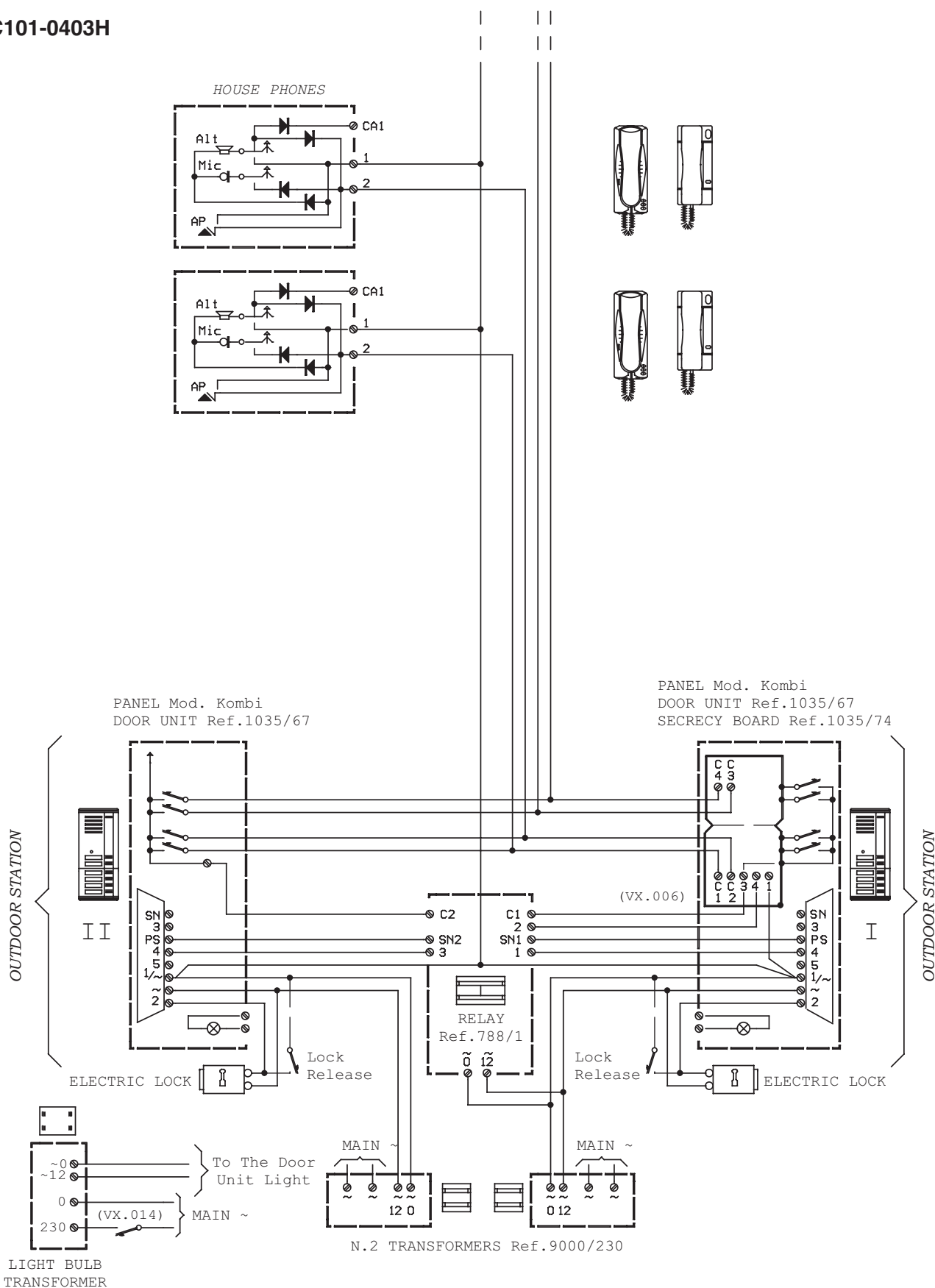
**VX.006**

**VX.014**

# CONNECTION OF HOUSE PHONES TO TWO OUTDOOR STATIONS IN AUTOMATIC SWITCHING WITH SECRECY OF CONVERSATION (Panels Mod. Kombi)

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SC101-0403H



## DIAGRAM NOTES

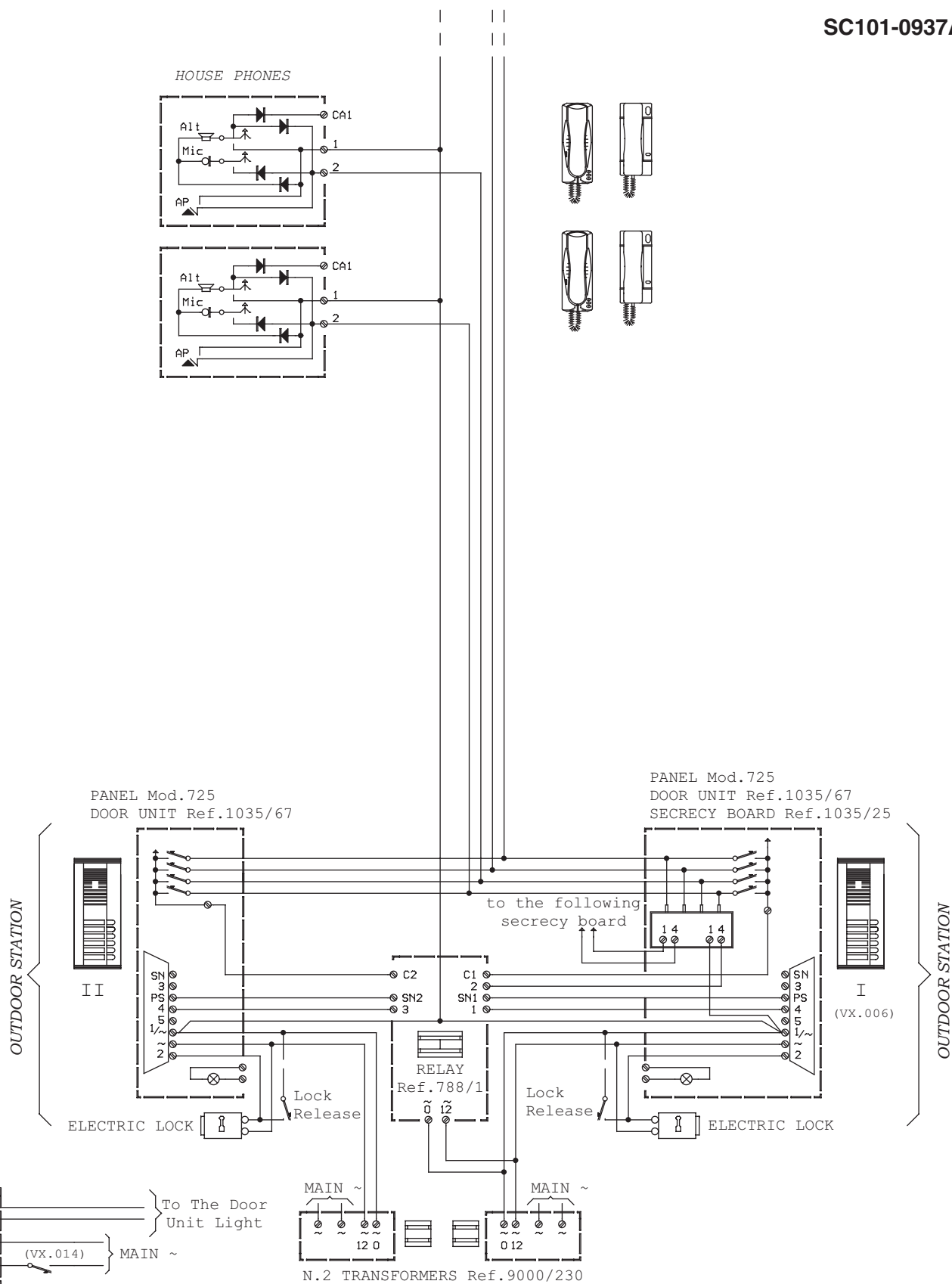
(see section 1)

C1.002

VX.006

VX.014





LIGHT BULB  
TRANSFORMER

### DIAGRAM NOTES

(see section 1)

C1.002

VX.006

VX.014

## CONNECTION OF HOUSE PHONES TO FOUR OUTDOOR STATIONS IN AUTOMATIC SWITCHING WITH SECRECY OF CONVERSATION

**urmet**  
DOMUS

### FUNCTION

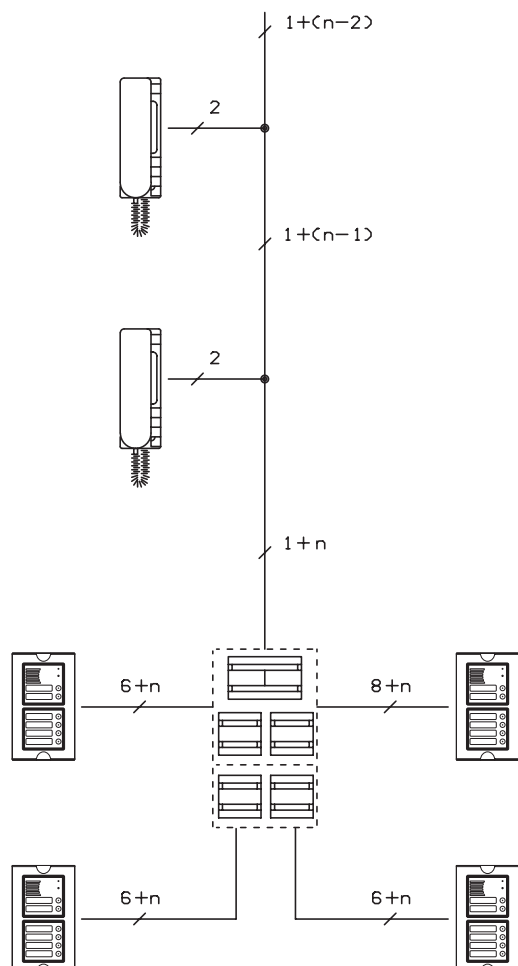
The 1+1 wire house phone system makes it possible to set up systems in which a house phone riser is to be connected to four entrances each with 1 push button panel with related loudspeaking unit.

Adding a specific relay device, a person can press a key of one of the two push button panels so that the user of the house phone called, on lifting the handset, is automatically connected with the calling push button panel excluding the other service.

Therefore in this system, it is not possible to speak from four outdoor stations at the same time in that functioning of these is alternative.

To guarantee secrecy of conversation of all the house phones in the system, the specific secrecy circuits (one for each button) are inserted inside only one of the two push button panels.

Release of the electric lock is also enabled by the secrecy circuit. This means that a user cannot release the lock unless he/she has been called and can open only the lock corresponding to the push button panel from which the call has been made.



### EQUIPMENT

The following devices are needed for the system illustrated in diagram SC101-1218:

#### HOUSE PHONE REFERENCES

|      |                             |                      |
|------|-----------------------------|----------------------|
| N. X | House phones Mod. Atlantico | <b>Ref. 1133/35A</b> |
|      | or:                         |                      |
| N. X | House phones Mod. 1132      | <b>Ref. 1132/35</b>  |
|      | or:                         |                      |
| N. X | House phones Mod. 1131      | <b>Ref. 1131/35</b>  |

#### POWER SUPPLY REFERENCES

|      |                                   |                      |
|------|-----------------------------------|----------------------|
| N. 4 | Transformer                       | <b>Ref. 9000/230</b> |
| N. 1 | Relay box for automatic switching | <b>Ref. 788/4</b>    |

#### OUTDOOR STATION REFERENCES

##### Sinthesi model

|        |                              |                                 |
|--------|------------------------------|---------------------------------|
| N. Y   | Button modules               | <b>Ref. 1145/11-/12-/13-/14</b> |
| N. 4   | Module with door unit set-up | <b>Ref. 1145/20-/21</b>         |
| N. 4   | Amplified door unit          | <b>Ref. 1145/67</b>             |
| N. X/4 | Conversation privacy device  | <b>Ref. 1145/74</b>             |

The panels must be installed in flush-mounting boxes with module holder frames or in cases with hood for wall-mounted versions. Refer to section 2a of technical manual MT101-013 for respective diagrams and installation methods.

or:

##### K-steel model

|        |                             |                                 |
|--------|-----------------------------|---------------------------------|
| N. Y   | Button modules              | <b>Ref. 1155/11-/12-/13-/14</b> |
| N. 4   | Module with door unit       | <b>Ref. 1155/30-/31-/32</b>     |
| N. X/4 | Conversation privacy device | <b>Ref. 1155/74</b>             |

The panels must be installed in flush-mounting boxes with module holder frames or in cases with hood for wall-mounted versions. Refer to section 2b of technical manual MT101-013 for respective diagrams and installation methods.

### DIAGRAM NOTES

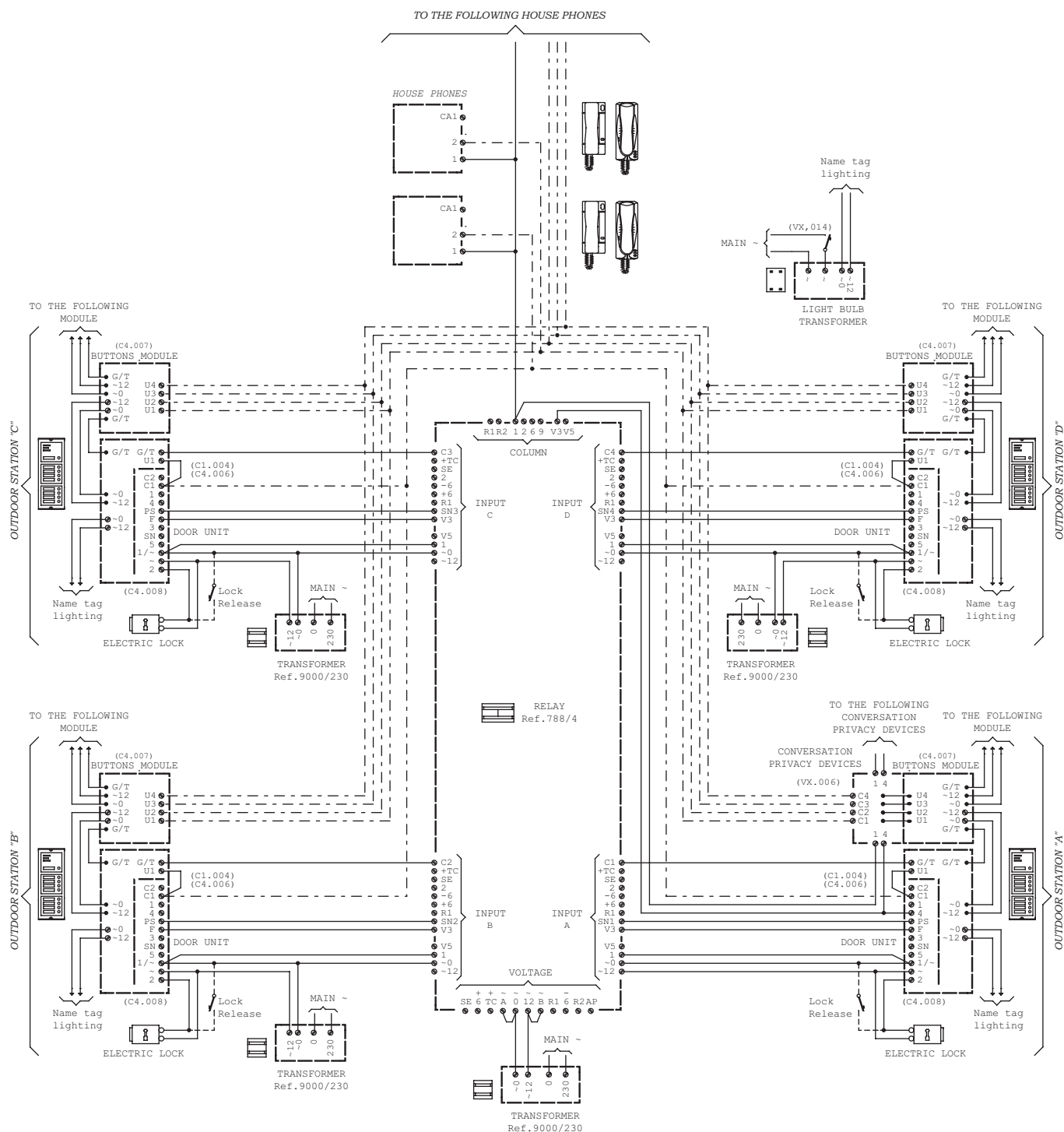
(see section 1)

**C1.002**  
**C1.004**

**C4.006**

Sinthesi models only:  
Connect jumper C1 with U1.

**C4.007**  
**C4.008**  
**VX.006**  
**VX.014**



CONNECTION OF HOUSE PHONES TO A CONCIERGE SWITCHBOARD WITH NIGHT SERVICE SWITCH TO DOOR UNIT



FUNCTION

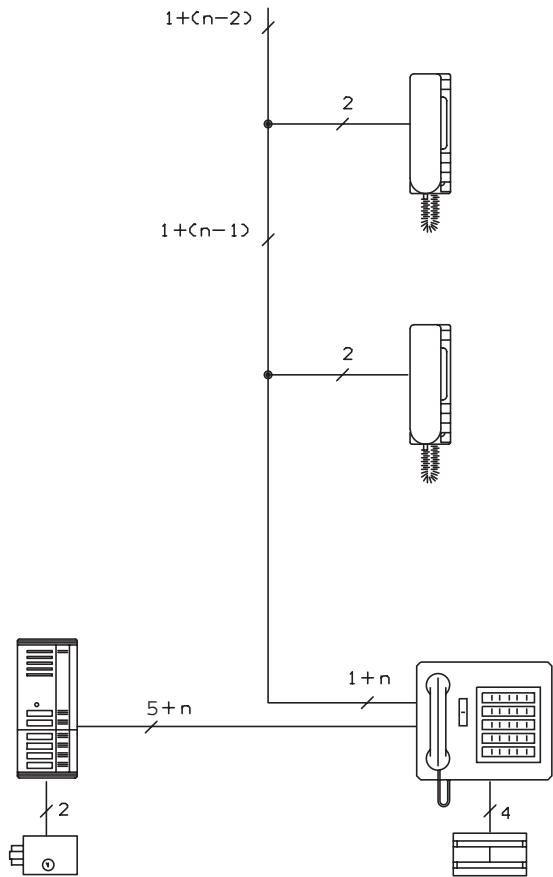
DAY SERVICE (concierge service)

**Outbound calls** - To call a specific door phone, the switchboard operator must pick up the handset, fully press the button corresponding to the required door phone and forward the call by pressing the specific red button.  
The door phone user may answer by picking up the handset: the conversation takes place; at the end, when the operator hangs up, the button corresponding to the call door phone which remained on for the duration of the call is switched off automatically.  
**Inbound calls** - Calls from door phone extensions cause the indicator to light up (as soon as the user picks up the handset) and the switchboard to ring when the handset hook is fully pressed.  
The switchboard operator may answer by picking up the handset and pressing the corresponding button.

NIGHT SERVICE (door unit)

The door phones need to be switched to the door unit when the operator takes a break or ends duty in order to continue the service; simply fully press the black “night service” button.  
The service in the configuration works like a normal door phone system.  
In these conditions, when a door phone is connected to the door unit, the button corresponding to the user employing night service lights up on the switchboard. Before resuming day service (i.e. before switching back to the original configuration), the operator must ensure that there are not conversations in progress between users and the door unit (i.e. that no buttons are on).

**Note:** The door panel will not work during day service operation; this means that the door should remain open.



EQUIPMENT

The following devices are needed for the system illustrated in diagram SC101-0930B:

HOUSE PHONE REFERENCES

|      |                             |               |
|------|-----------------------------|---------------|
| N. X | House phones Mod. Atlantico | Ref. 1133/35A |
|      | or:                         |               |
| N. X | House phones Mod. 1132      | Ref. 1132/35  |
|      | or:                         |               |
| N. X | House phones Mod. 1131      | Ref. 1131/35  |

SWITCHBOARD BOARDS

|      |  |                     |
|------|--|---------------------|
| N. 1 | 1-wire door phone switchboard, available versions: |                     |
|      | WALL   | mounted             |
|      |  | flush-mounted       |
|      | TABLETOP   | mounted with socket |
|      |  | flush-mounted       |
|      |  | Ref. 14000/...      |
|      |  | Ref. 17000/...      |
|      |  | Ref. 15000/...      |
|      |  | Ref. 16000/...      |

(the number after the slash in switchboard codes indicates capacity; possible options 12, 18, 24, 30, 50, 70, 80, 120).

POWER SUPPLY REFERENCES

|      |                               |            |
|------|-------------------------------|------------|
| N. 1 | 1-wire switchboard power unit | Ref. 786/3 |
|------|-------------------------------|------------|

OUTDOOR STATION REFERENCES

Kombi model

|        |                              |                             |
|--------|------------------------------|-----------------------------|
| N. Y   | Button modules               | Ref. 825/201-/202-/203 /204 |
| N. 1   | Module with door unit set-up | Ref. 825/15-/16-/17         |
| N. 1   | Amplified door unit          | Ref. 1035/67                |
| N. X/4 | Conversation privacy device  | Ref. 1035/74                |

The panels must be installed in flush-mounting boxes with module frames or in cases with hood for wall-mounted versions. Refer to section 2d of technical manual MT101-013 for respective diagrams and installation methods.

DIAGRAM NOTES

(see section 1)

C1.002

C4.002

VX.006

VX.014

VX.018

Connect the following jumpers on the device:

- a) 3 with 3
- b) 4 with 4
- c) 1 with 1





# **BASIC DIAGRAMS FOR TRADITIONAL CALL DOOR PHONE SYSTEMS**

Download from:  
[www.urmetdomus.com](http://www.urmetdomus.com)  
Technical Manuals area  
MT101-014\_sec.1c.pdf





|   | <b>Diagram</b>    | <b>Sec.</b> | <b>Pag.</b> |
|---|-------------------|-------------|-------------|
| <b>BASIC DIAGRAMS FOR TRADITIONAL CALL DOOR PHONE SYSTEMS</b>   |                   |             |             |
| CONNECTION OF HOUSE PHONES TO AN OUTDOOR STATION .....  | SC/7514A .....    | 1c .....    | <b>2</b>    |
| CONNECTION OF HOUSE PHONES TO AN OUTDOOR STATION<br>VERSION WITH HANDSET ON BUTTON .....  | SC/7534A .....    | 1c .....    | <b>4</b>    |
| CONNECTION OF HOUSE PHONES TO TWO OUTDOOR STATIONS.....   | SC101-0440 .....  | 1c .....    | <b>6</b>    |
| CONNECTION OF HOUSE PHONES TO THREE OR FOUR OUTDOOR STATIONS .....  | SC101-0441A ..... | 1c .....    | <b>8</b>    |
| CONNECTION OF SEVERAL GROUPS OF HOUSE PHONES TO A COMMON OUTDOOR STATION<br>Each group is also connected to its own outdoor station ..... | SC101-0461A ..... | 1c .....    | <b>10</b>   |
| INTERCOM CONNECTION OF 2 HOUSE PHONES WITH<br>THE POSSIBILITY OF REPLY TO OUTDOOR STATION.....  | SC/7503A .....    | 1c .....    | <b>12</b>   |
| INTERCOM CONNECTION OF 2 HOUSE PHONES WITH<br>THE POSSIBILITY OF REPLY TO 2 OUTDOOR STATION.....  | SC101-0217A ..... | 1c .....    | <b>14</b>   |
| INTERCOM CONNECTION OF MAXIMUM 9 HOUSE PHONES .....   | SC/7498A .....    | 1c .....    | <b>16</b>   |
| CONNECTION OF HOUSE PHONES TO A SWITCHBOARD WITH OR<br>WITHOUT NIGHT SWITCH ON THE DOOR UNIT .....  | SC101-0935 .....  | 1c .....    | <b>18</b>   |

# CONNECTION OF HOUSE PHONES TO AN OUTDOOR STATION



## FUNCTION

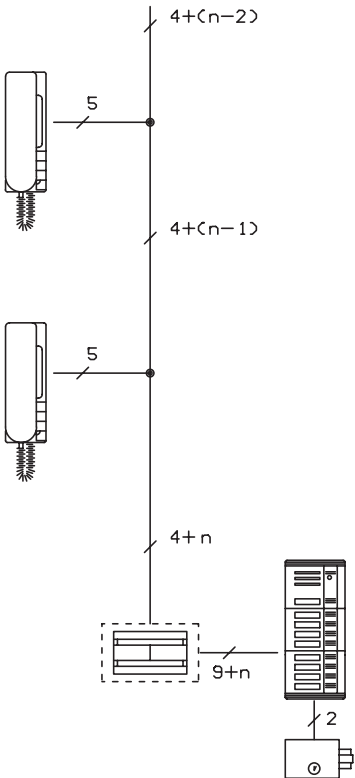
This is certainly the most common type of door phone system. Press a button on the panel outside the building door to make the buzzer of the corresponding door phone ring. Lift the handset of the called door phone to establish a conversation with the door unit. Simply fully press the handset hook to operate the electrical door lock.

## EQUIPMENT

The following devices are needed for the system illustrated (scheme SC/7514A):

|      |   |              |   |
|------|---|--------------|---|
| N. X | House phones Mod. 1130  | Ivory colour | <b>Ref. 1130</b>                                |
|      |   | White colour | <b>Ref. 1130/50</b>                             |
| N. 1 | Power supply available in the following versions:<br>28VA for bar mounting <b>Ref. 786/1A</b> or <b>Ref. 786/14A</b><br>38VA for bar mounting <b>Ref. 786/38A</b> |              |   |
| N. 1 | Module with door unit set-up<br>or:<br>Modular panels   |              | <b>Mod. 725</b><br><br><b>Kombi</b>             |
| N. 1 | Amplified door unit for push button panel Mod. 725<br>or:<br>Amplified door unit for push button panel Kombi  |              | <b>Ref. 5150/500</b><br><br><b>Ref. 824/500</b> |

**NOTE:** Connect the jumper between terminals -6/~ 0 during installation.

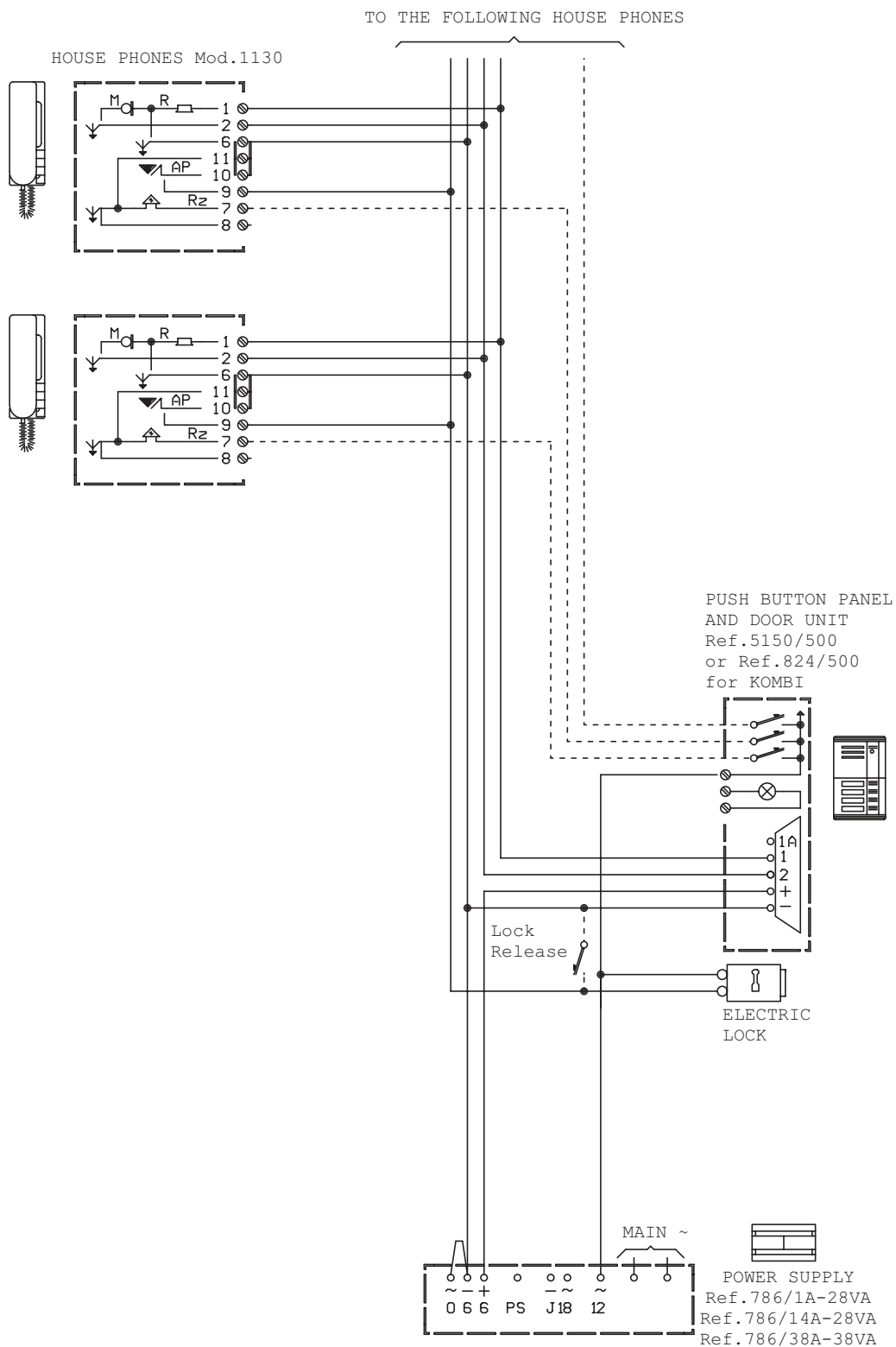


## CONDUCTOR

As shown in the diagram SC/7514A.

- N. 3 conductor from power supply to panel (+, -, ~12 V);
- N. 3 conductor from panel to house phones (1, 2 e -);
- N. 1 conductor from panel common wire to electric lock;
- N. 1 conductor from electric lock to house phones;
- N. 1 conductor from panels to each house phones.

Include 2 wires for powering panel lights; for this purpose, use 12V~ voltage for 14 V bulbs (28 VA power units) or 18 V~ voltage with 24 V (38 VA power units). The power units can power up to two 3W bulbs. Use a separate transformer of suitable power for panels with more bulbs.



# CONNECTION OF HOUSE PHONES TO AN OUTDOOR STATION VERSION WITH HANDSET ON BUTTON



## FUNCTION

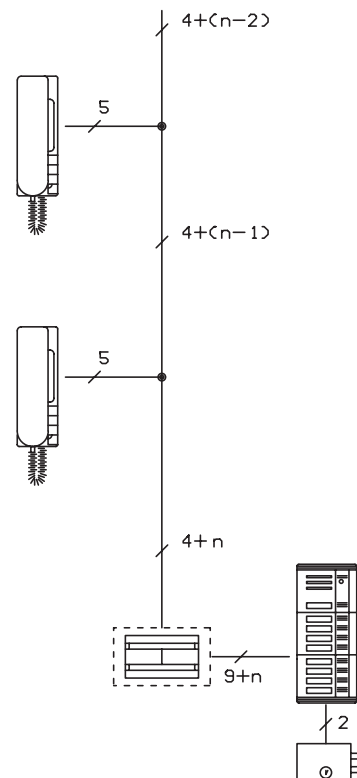
The service is the same as that of a normal system with door unit.  
The difference is in that the user of a called door phone must press the button on the handset to establish a conversation with the door unit; simply picking up the handset is not sufficient.  
The advantage is that any handsets left accidentally off-hook do not interfere with the optimal operation of the other door phones.

## EQUIPMENT

The following devices are needed for the system illustrated (scheme SC/7534A):

|      |  |  |  |
|------|--|--|--|
| N. X | House phones Mod. 1130   | Ivory colour<br>White colour                                     | <b>Ref. 1130/10</b><br><b>Ref. 1130/55</b> |
| N. 1 | Power supply available in the following versions:<br>28VA for bar mounting<br>38VA for bar mounting                | <b>Ref. 786/1A</b> or <b>Ref. 786/14A</b><br><b>Ref. 786/38A</b> |  |
| N. 1 | Module with door unit set-up<br>or:<br>Modular panels  | <b>Mod. 725</b><br><b>Kombi</b>                                  |  |
| N. 1 | Amplified door unit for<br>push button panel Mod. 725<br>or:<br>Amplified door unit for<br>push button panel Kombi | <b>Ref. 5150/500</b><br><b>Ref. 824/500</b>                      |  |
| N. X | House phones Ref. 1130/10  |  |  |

**NOTE:** Connect the jumper between terminals -6/~ 0 during installation.

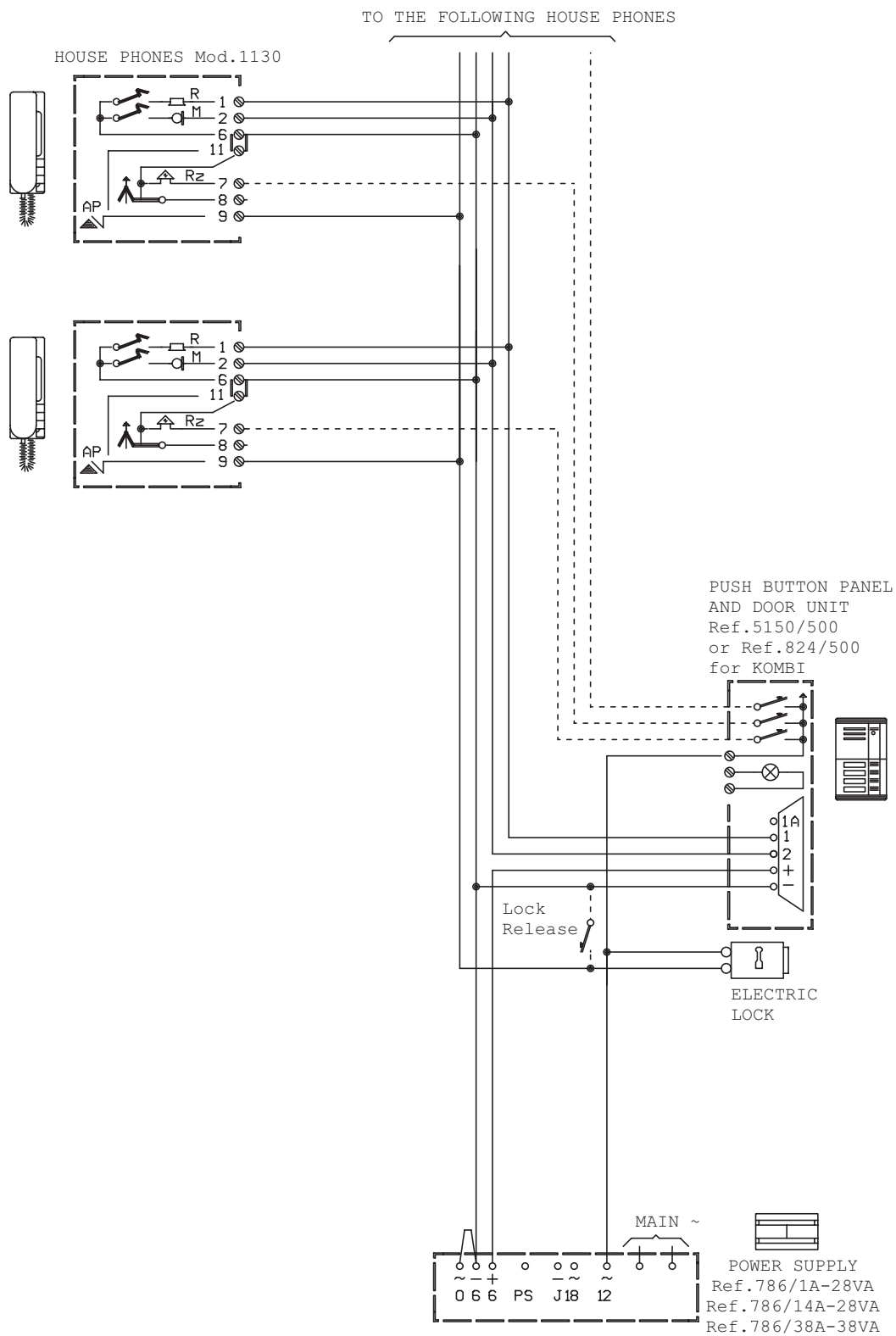


## CONDUCTOR

As shown in the diagram SC/7534A.

- N. 3 conductor from power supply to panel (+, -, ~12 V);
- N. 3 conductor from panel to house phones (1, 2 e -);
- N. 1 conductor from panel common wire to electric lock;
- N. 1 conductor from electric lock to house phones;
- N. 1 conductor from panels to each house phones.

Include 2 wires for powering the panel light bulbs; for this purpose, use 12V~ voltage for 14 V bulbs (28 VA power units) or 18 V~ voltage with 24 V (38 VA power units).  
The power units can power up to two 3W bulbs. Use a separate transformer of suitable power for panels with more bulbs.



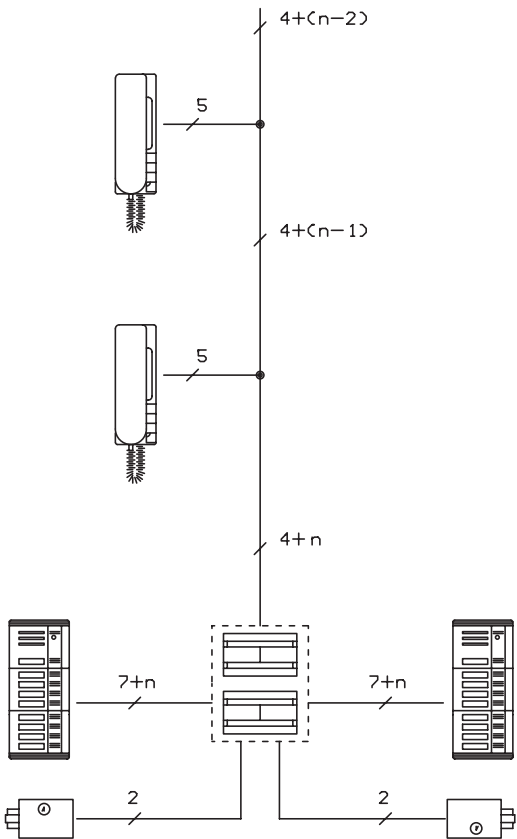
# CONNECTION OF HOUSE PHONES TO TWO OUTDOOR STATIONS



## FUNCTION

This type of installation solves the problem to connect a series of house phones of a building with 2 entrances each one equipped with a push button panel.

This solution permits, by simply pushing a button from one of the 2 push button panels, to connect automatically the user to the calling push button panels unhooking the handset. This type of installation does not allow to talk from both outdoor stations simultaneously, since they work alternatively.



## EQUIPMENT

The following devices are needed for the system illustrated (scheme SC101-0440):

|      |  |  |   |
|------|--|--|---|
| N. X | House phones Mod. 1130   | Ivory colour<br>White colour                                     | <b>Ref. 1130</b><br><b>Ref. 1130/50</b>     |
| N. 1 | Power supply available in the following versions:<br>28VA for bar mounting<br>38VA for bar mounting                | <b>Ref. 786/1A</b> or <b>Ref. 786/14A</b><br><b>Ref. 786/38A</b> |   |
| N. 1 | Relay for automatic switch   |  | <b>Ref. 788/1</b>                           |
| N. 2 | Panel with door unit set-up<br>or:<br>Modular panels   |  | <b>Mod. 725</b><br><b>Kombi</b>             |
| N. 2 | Amplified door unit for<br>push button panel Mod. 725<br>or:<br>Amplified door unit for<br>push button panel Kombi |  | <b>Ref. 5150/500</b><br><b>Ref. 824/500</b> |

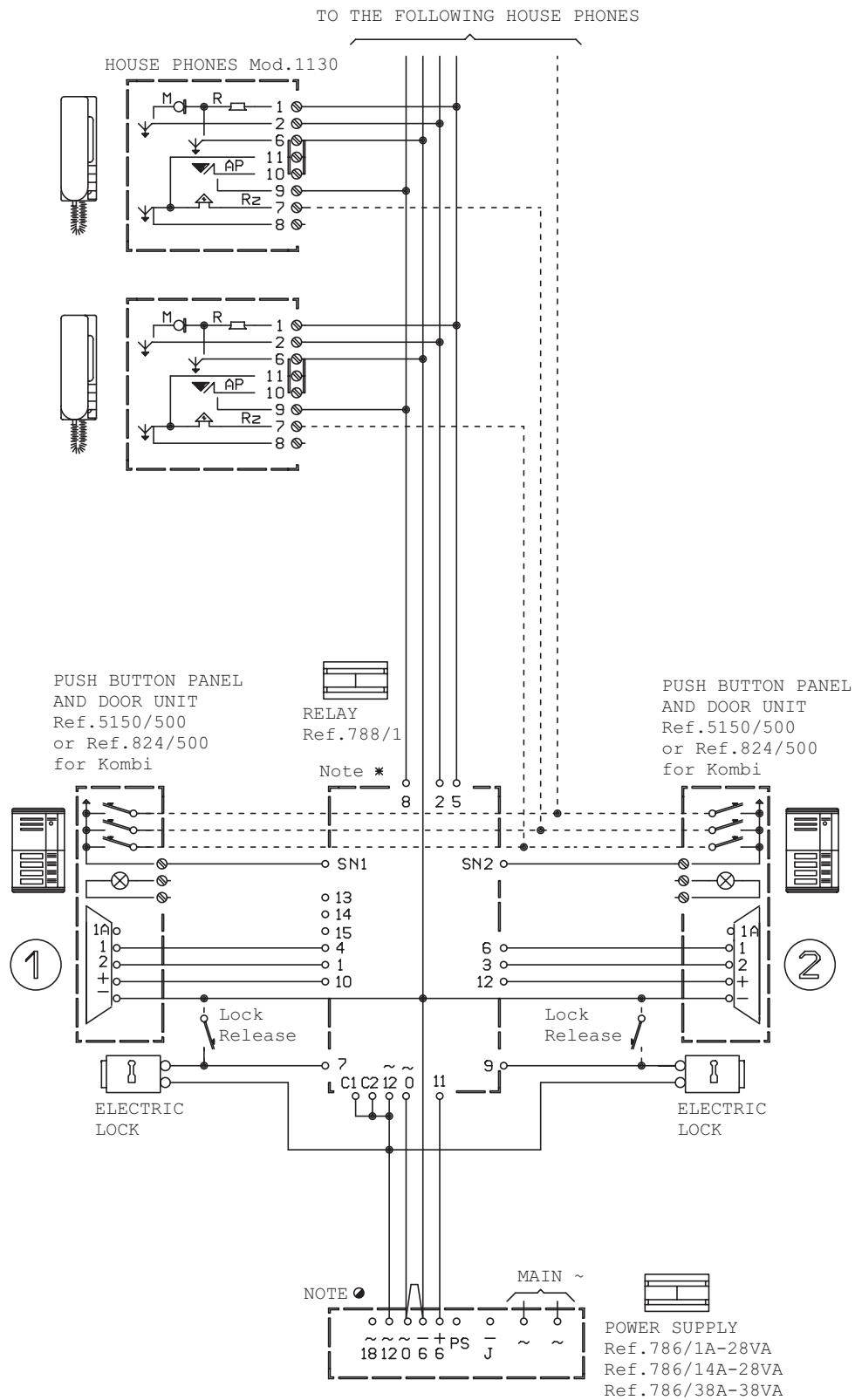
**NOTE:** Connect the jumper between terminals -6/~ 0 on the power unit.

Connect the jumper between terminal C1, C2 and ~12 in the relay device.

## CONDUCTOR

As shown in the diagram SC101-0440.

Include 2 wires for powering the panel light bulbs; for this purpose use a separate 12V~ voltage transformer of suitable power.



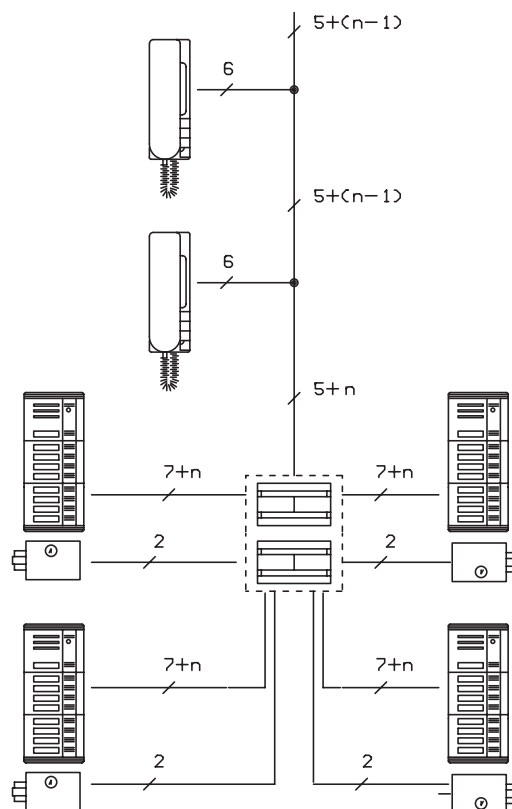
## CONNECTION OF HOUSE PHONES TO THREE OR FOUR OUTDOOR STATIONS

## FUNCTION

This installation allows connection of a series of house phone to 3 or 4 push button panels.

By simply pushing a button on one of the 4 panels, the called house phone, picking up the handset, is automatically connected with the calling push button panel.

It is not possible to talk from the outdoor stations simultaneously, since they work alternatively.



## EQUIPMENT

The following devices are needed for the system illustrated (scheme SC101-0441A):

|        |  |  |   |
|--------|--|--|---|
| N. X   | House phones Mod. 1130   | Ivory colour<br>White colour                                     | <b>Ref. 1130/10</b><br><b>Ref. 1130/55</b>  |
| N. 1   | Power supply available in the following versions:<br>28VA for bar mounting<br>38VA for bar mounting                | <b>Ref. 786/1A</b> or <b>Ref. 786/14A</b><br><b>Ref. 786/38A</b> |   |
| N. 1   | Relay for automatic switch   |  | <b>Ref. 788/8</b>                           |
| N. 3/4 | Panel with door unit set-up<br>or:<br>Modular panels   |  | <b>Mod. 725</b><br><b>Kombi</b>             |
| N. 3/4 | Amplified door unit for<br>push button panel Mod. 725<br>or:<br>Amplified door unit for<br>push button panel Kombi |  | <b>Ref. 5150/500</b><br><b>Ref. 824/500</b> |

**NOTE:** Remove jumper 6 - 11 before making connections.

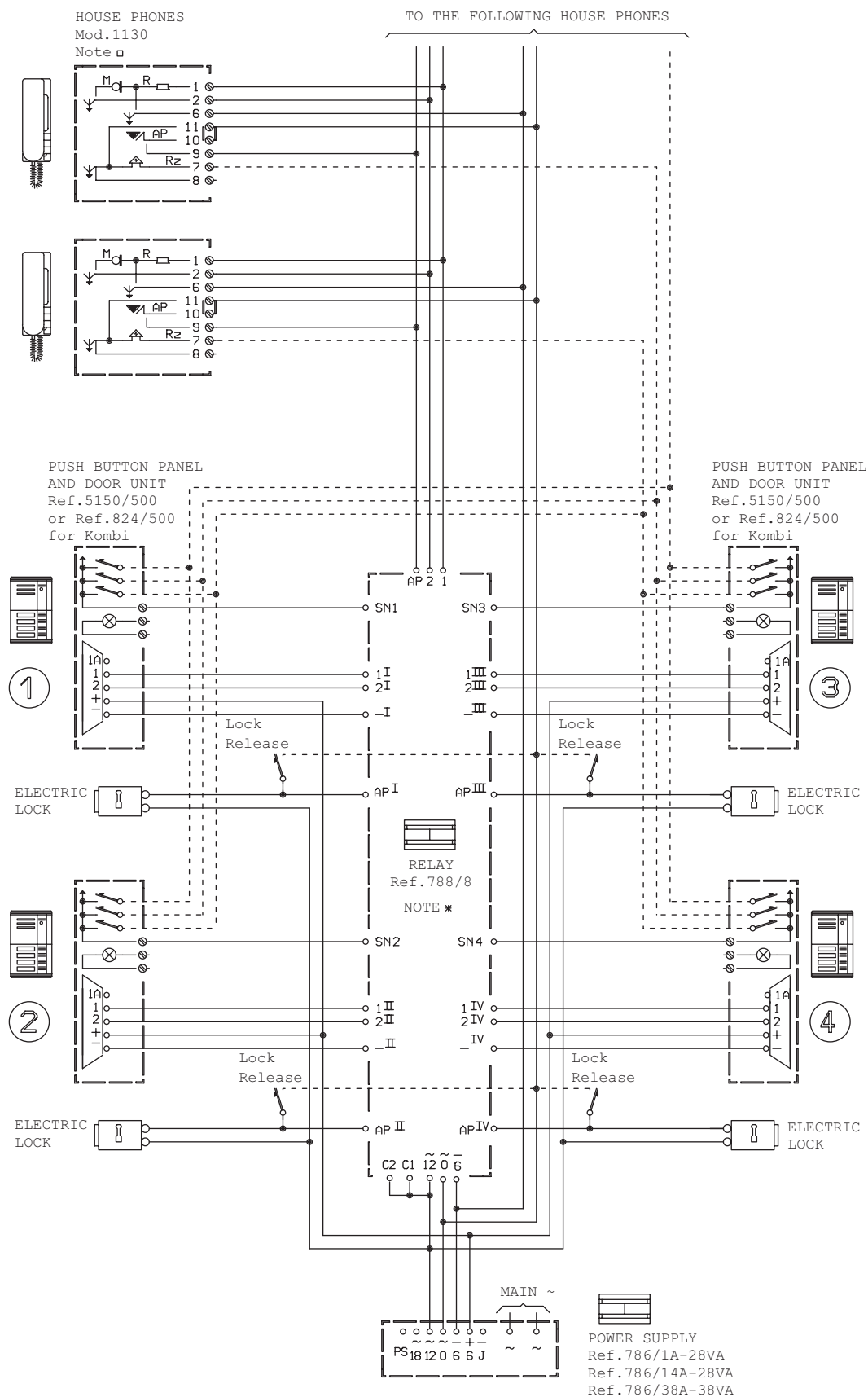
Connect the jumper between terminal C1, C2 and ~12 in the relay device.

## CONDUCTOR

As shown in the diagram SC101-0441A.

Include 2 wires for powering the panel light bulbs; for this purpose use a separate 12V~ voltage transformer of suitable power.





## CONNECTION OF SEVERAL GROUPS OF HOUSE PHONES TO A COMMON OUTDOOR STATION

Each group is also connected to its own outdoor station

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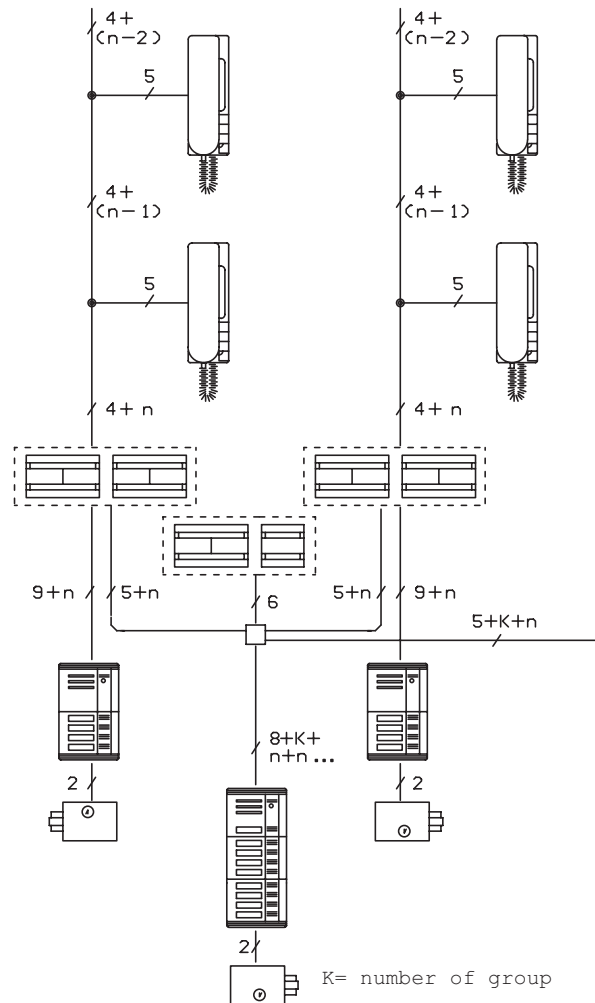
### FUNCTION

It is the ideal solution for residential centers where the single villas have to be connected to both their own outdoor stations and a common one at the main entrance.

During the call the concerned house phone is automatically switched to the common outdoor station or to the one of the group it belongs to, by means of a switching relay.

Services towards secondary outdoor stations are independent and can therefore take place at the same time.

When the call comes from the common outdoor station, only the group the called house phone belongs to is switched to it, the others being able to carry on the normal service with their own secondary outdoor stations.



### EQUIPMENT

The following devices are needed for the system illustrated (scheme SC101-0461):

|        |   |  |   |
|--------|---|--|---|
| N. X   | House phones Mod. 1130  | Ivory colour<br>White colour                                     | <b>Ref. 1130</b><br><b>Ref. 1130/50</b> |
| N. K+1 | Power supply available in the following versions:<br>28VA for bar mounting<br>38VA for bar mounting | <b>Ref. 786/1A</b> or <b>Ref. 786/14A</b><br><b>Ref. 786/38A</b> |   |
| N. K+1 | Panel with door unit set-up<br>or:<br>Modular panels  | <b>Mod. 725</b><br><b>Kombi</b>                                  |   |
| N. K+1 | Door unit for push button panel Mod. 725<br>or:<br>Amplified door unit for push button panel Kombi  | <b>Ref. 5150/500</b><br><b>Ref. 824/500</b>                      |   |
| N. K   | Relay unit for automatic switch   | <b>Ref. 788/1</b>  |   |
| N. 1   | Relay unit  | <b>Ref. 788/21</b>   |   |
|        | <i>(K = number of group)</i>  |  |   |

**NOTE:** Connect the jumper between terminal -6 and ~0 in the power units.

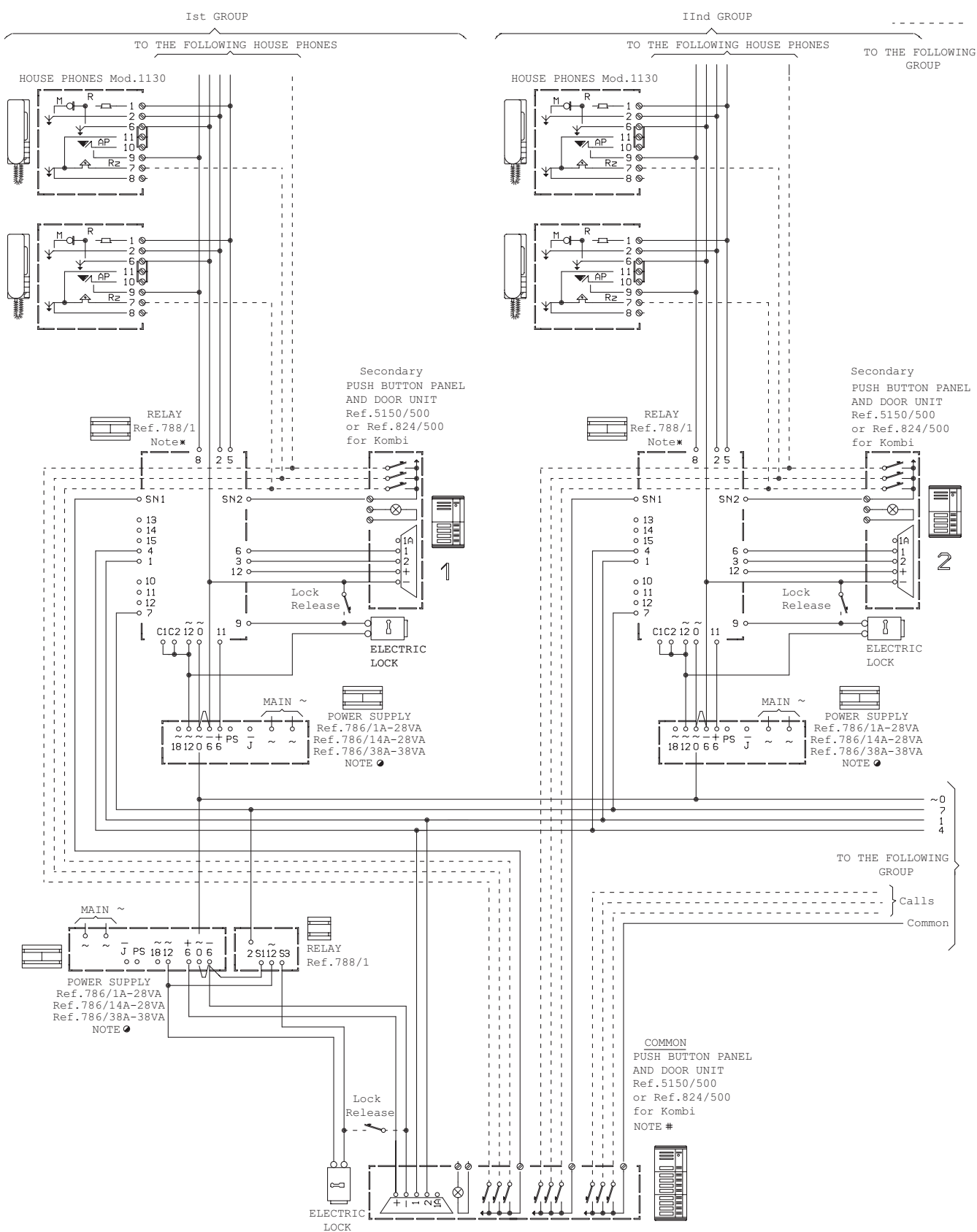
Connect the jumper between terminal C1, C2 and ~12 in the relay device.

Separate the commons in the main panel. Each group must be independent.

### CONDUCTOR

As shown in the diagram SC101-0461.

Include 2 wires for powering the panel light bulbs; for this purpose use a separate 12V~ voltage transformer of suitable power.



INTERCOM CONNECTION OF 2 HOUSE PHONES WITH THE POSSIBILITY OF  
REPLY TO OUTDOOR STATION



FUNCTION

This installation allows communication between two separate places, such as: shop-warehouse, director's office - secretary's office, etc. The calling house phones handset must be unhooked and the hook lever pressed to the bottom in order to establish the connection with the called house phone. As soon as the called house phone handset is picked up, connection is made.

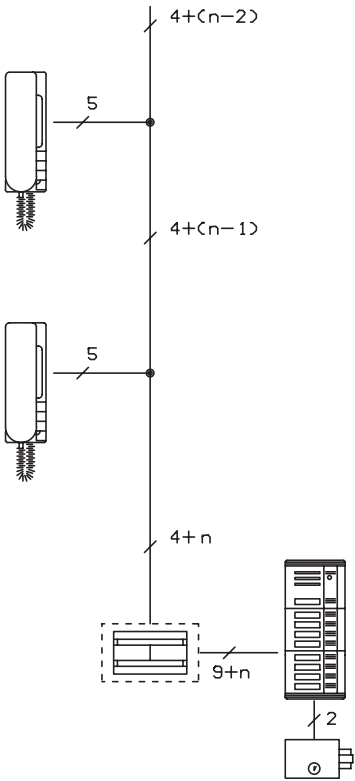
EQUIPMENT

The following devices are needed for the system illustrated (scheme SC/7503A):

|      |                         |              |              |
|------|-------------------------|--------------|--------------|
| N. 2 | House phones Mod. 1130  | Ivory colour | Ref. 1130/1  |
| N. 1 | Power supply with relay |              | Ref. 786/5A  |
| N. 1 | Panel                   |              | Mod. Kombi   |
| N. 1 | Door Unit               |              | Ref. 824/500 |

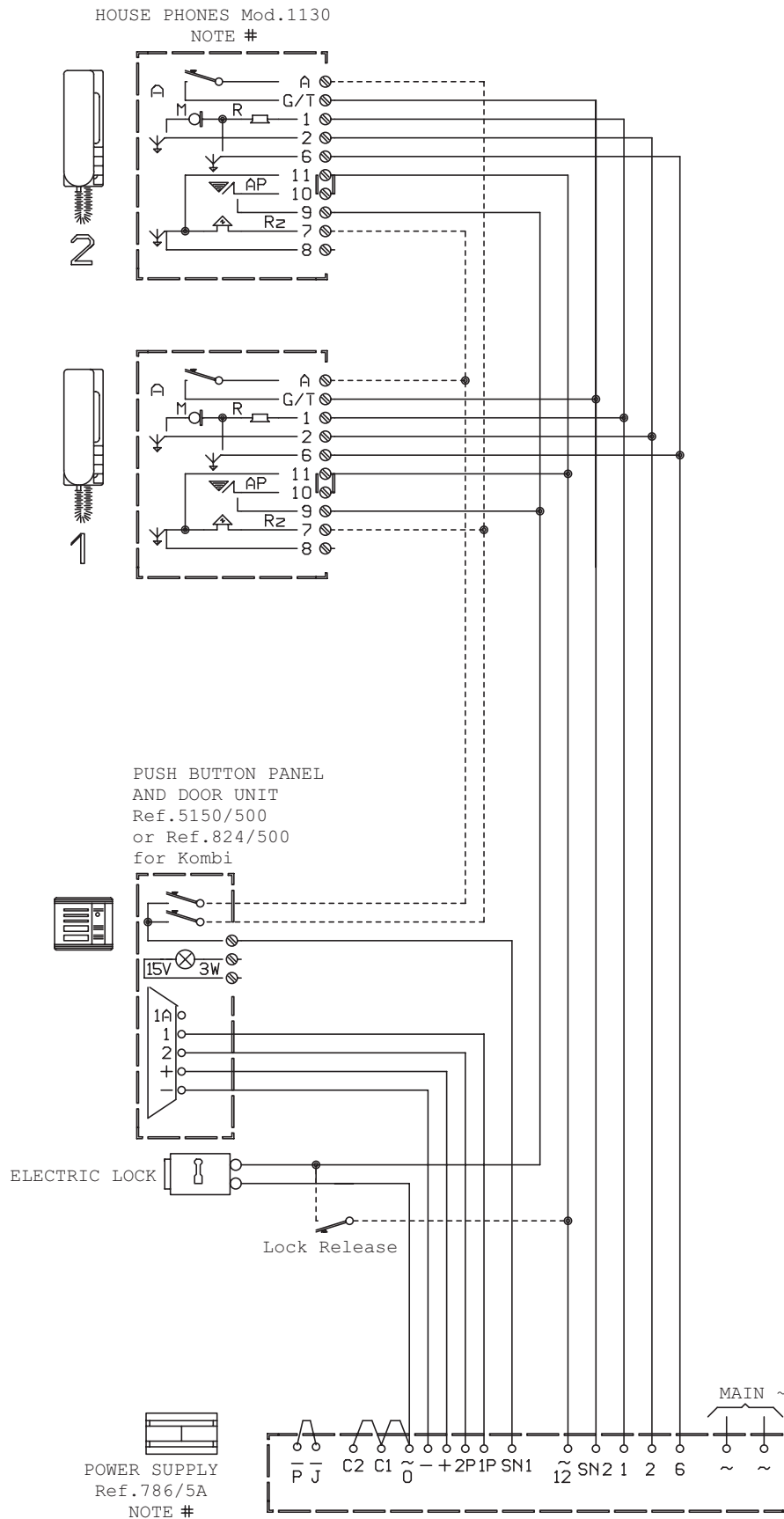
**NOTE:** Remove jumpers 10-11 and 11-6 and connect jumper 1 - 7 in the door phones before connecting.

Connect the jumper between terminal +6 and ~0 in the power unit.



CONDUCTOR

As shown in the diagram SC/7503A.



INTERCOM CONNECTION OF 2 HOUSE PHONES WITH THE POSSIBILITY OF  
REPLY TO 2 OUTDOOR STATION



FUNCTION

This installation allows communication between two separate places, such as: shop-warehouse, director's office - secretary's office, etc. The calling house phones handset must be unhooked and the hook lever pressed to the bottom in order to establish the connection with the called house phone. As soon as the called house phone handset is picked up, connection is made.

EQUIPMENT

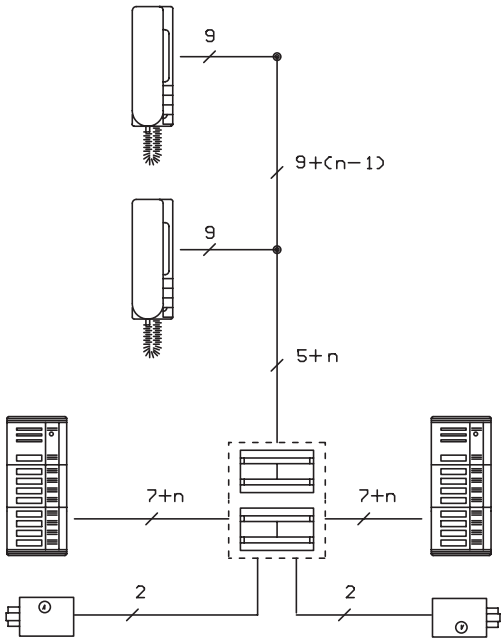
The following devices are needed for the system illustrated (scheme SC101-0217A):

|      |   |              |              |
|------|---|--------------|--------------|
| N. 2 | House phones Mod. 1130  | Ivory colour | Ref. 1130/1  |
| N. 1 | Power supply available in the following versions:<br>28VA for bar mounting <b>Ref. 786/1A</b> or <b>Ref. 786/14A</b><br>38VA for bar mounting <b>Ref. 786/38A</b> |              |              |
| N. 2 | Modular panels  |              | Mod. Kombi   |
| N. 2 | Door Unit   |              | Ref. 824/500 |
| N. 1 | Relay box   |              | Ref. 788/8   |

**NOTE:** Remove jumpers 6-10-11, and make 7-9 in the main door phone, fit 8-button add-on and connect the button common to terminal 9.

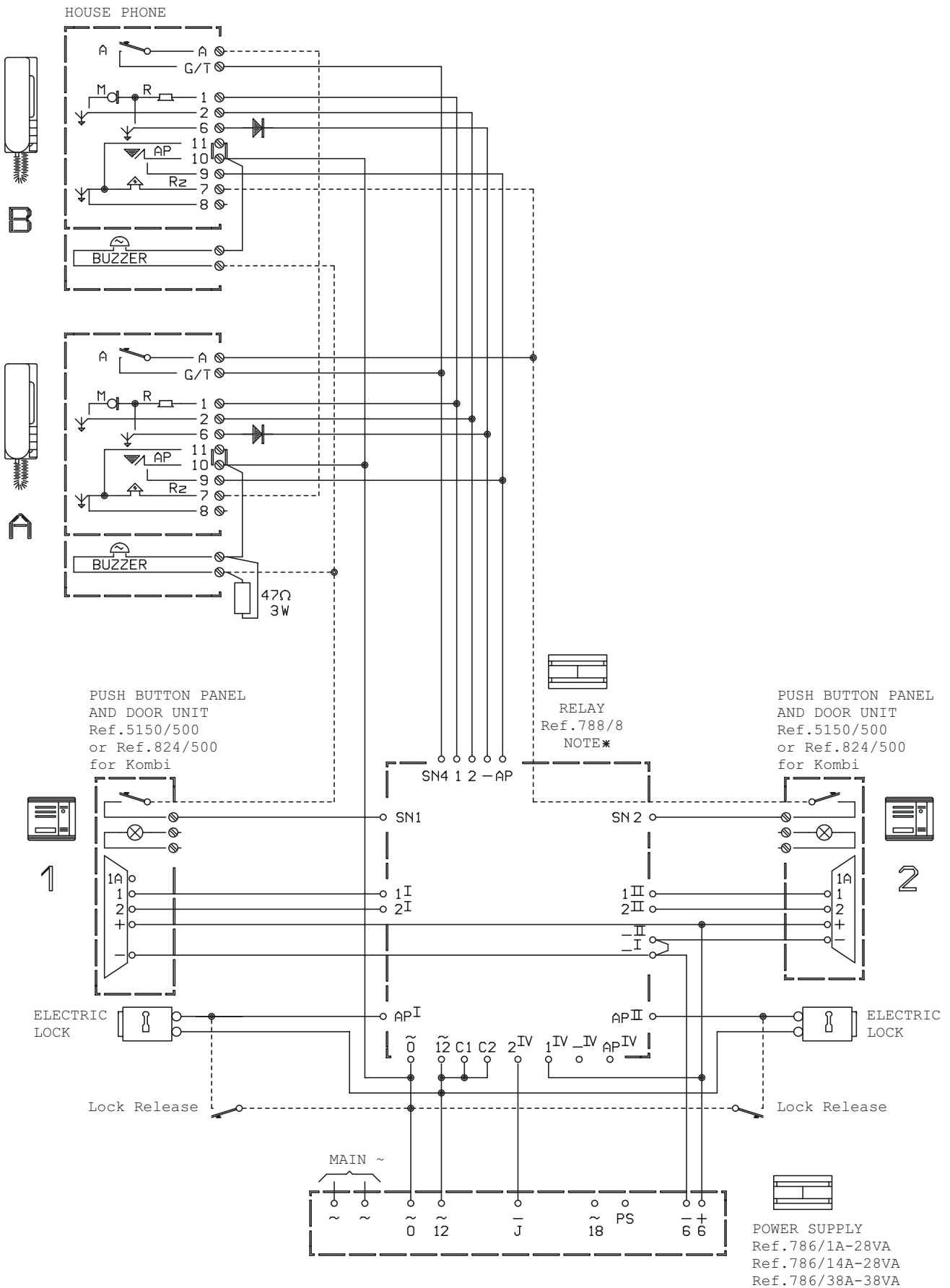
Remove jumpers 6-11-10, connect 1-7, 7-9 in extension door phones.

Connect jumper terminal +6 with ~ 0 in the power unit



CONDUCTOR

As shown in the diagram SC101-0217A.

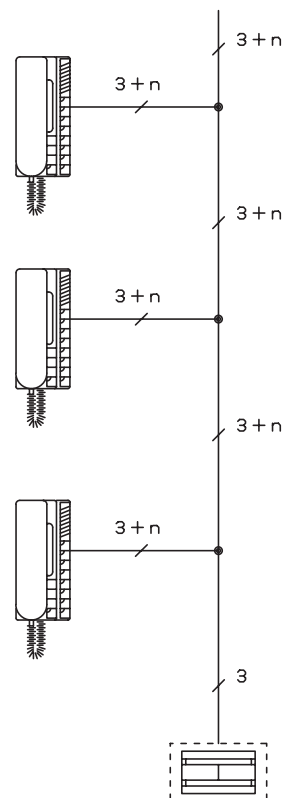


# INTERCOM CONNECTION OF MAXIMUM 9 HOUSE PHONES



## FUNCTION

This type of system is particular suitable for offices and other working environments. The door phones used in this system are standard with 8-button add-on. Press the corresponding call button to call another door phone; pick up the handset of the called door phone to establish a conversation. The conversation is not private; this means that the user of a third door phone can listen into the conversation in progress.



## EQUIPMENT

The following devices are needed for the system illustrated (scheme SC/7498A):

|      |   |   |   |
|------|---|---|---|
| N. X | House phones Mod. 1130                            | Ivory colour<br>White colour              | <b>Ref. 1130</b><br><b>Ref. 1130/50</b> |
| N. 1 | 8 button add-on                                   |   | <b>Ref. 1130/8</b>                      |
| N. 1 | Power supply available in the following versions: |   |   |
|      | 28VA for bar mounting                             | <b>Ref. 786/1A</b> or <b>Ref. 786/14A</b> |   |
|      | 38VA for bar mounting                             | <b>Ref. 786/38A</b>                       |   |

## CONDUCTOR

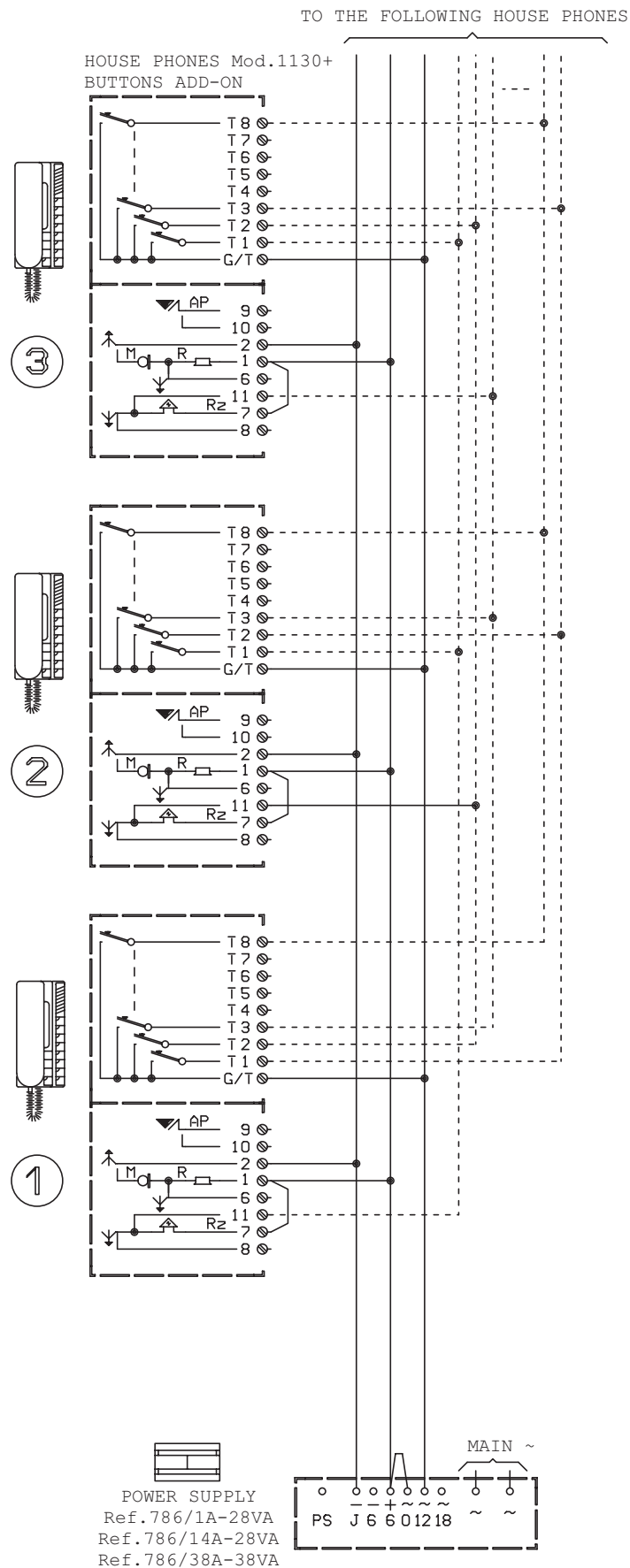
As shown in the diagram SC/7498A.

- N. 3 common wires to be connected also to the power unit;
- N. 1 common wire for each door phone.

**NOTE:** In door phones, connect jumpers 6-10-11, connect 7-1 and fit 8-button add-on.

Connect the jumper between terminal +6 and ~0 in the power unit.





## CONNECTION OF HOUSE PHONES TO A SWITCHBOARD WITH OR WITHOUT NIGHT SWITCH ON THE DOOR UNIT

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### FUNCTION

The characteristics and the operation of the 1-wire door phone switchboard are illustrated in the switchboard presentation section. Note that the door panel will not work during day service operation; this means that the door should remain open. Switchboards may be equipped with an additional switch and a call repeated if the door must be kept closed during day operation. The switchboard may take external calls by picking up the handset. Order special switchboards ref. 14007/..., 15007/..., 16007/..., 17007/..., and connect as shown in diagram SC/2643D in this case.

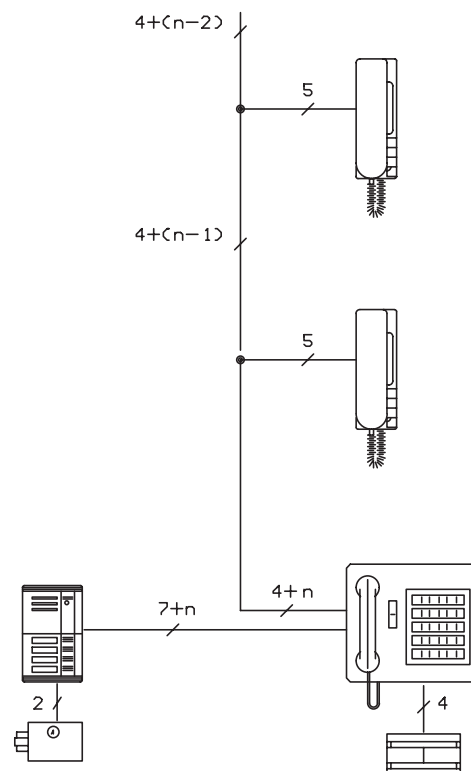
### EQUIPMENT

The following devices are needed for the system illustrated (scheme SC/101-0935):

|      |  |                              |   |
|------|--|------------------------------|---|
| N. X | House phones Mod. 1130   | Ivory colour<br>White colour | <b>Ref. 1130</b><br><b>Ref. 1130/50</b>     |
| N. 1 | 1-wire door phone switchboard, available versions:   |                              |   |
|      | WALL   | mounted                      | <b>Ref. 14000/...</b>                       |
|      | TABLE  | flush-mounted                | <b>Ref. 17000/...</b>                       |
|      |  | mounted                      | <b>Ref. 16000/...</b>                       |
|      |  | with socket mount            | <b>Ref. 15000/...</b>                       |
| N. 1 | Power supply 28VA for bar mounting   |                              | <b>Ref. 786/3</b>                           |
| N. 1 | Module with door unit set-up<br>or:<br>Modular panels  |                              | <b>Mod. 725</b><br><b>Kombi</b>             |
| N. 1 | Amplified door unit for<br>push button panel Mod. 725<br>or:<br>Amplified door unit for<br>push button panel Kombi |                              | <b>Ref. 5150/500</b><br><b>Ref. 824/500</b> |

(the number after the slash in switchboard codes indicates capacity; possible options 12, 18, 24, 30, 50, 70, 80, 120).

**NOTE:** Remove jumpers 10-11, 11-6 and connect jumpers 7-1, 9-8 in the door phones before connecting.



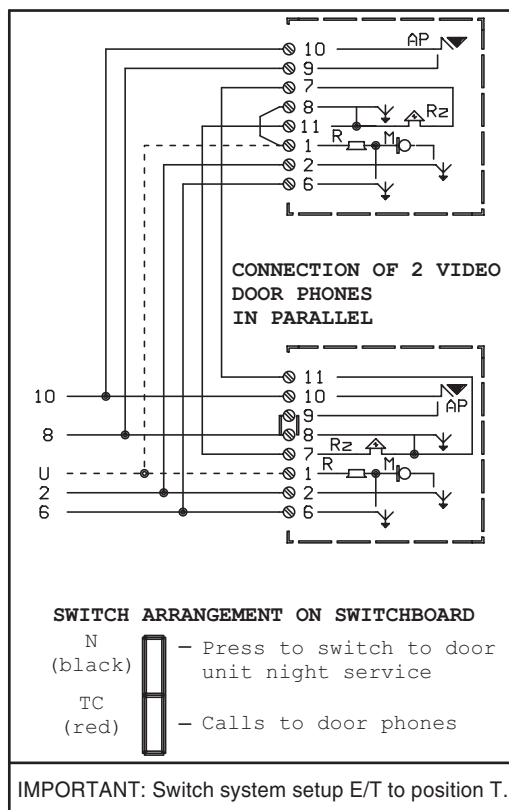
### CONDUCTOR

As shown in the diagram SC/101-0935.

- N. 4 power wires to switchboard;
- N. 4 common wires from switchboard to door phones;
- N. 1 wire from each door phone to switchboard;
- N. 5 wires from switchboard to panel 4 of which for door unit and 1 for button common;
- N. 2 wires from switchboard to electrical lock;
- N. 1 wire from panel to switchboard for each door phone.

Include 2 wires for powering the panel light bulbs; for this purpose use a separate 12V~ voltage transformer of suitable power.

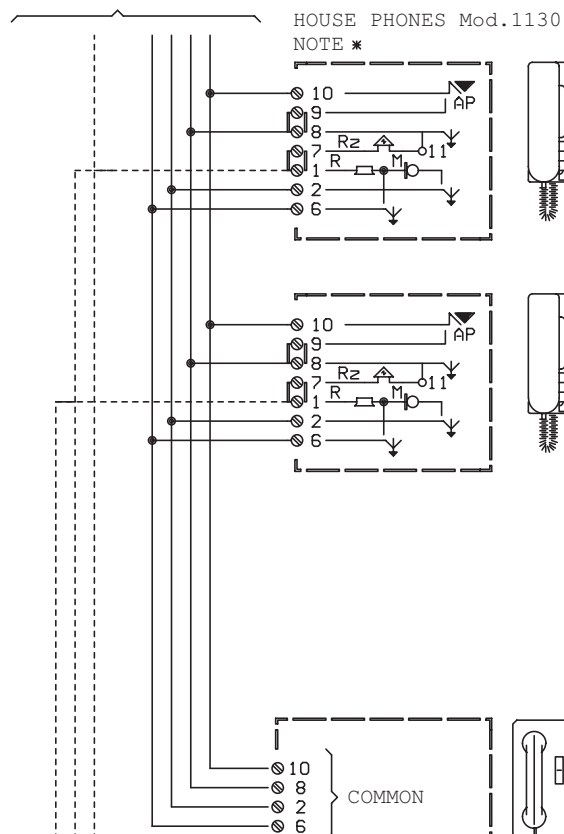
The wires which normally connect the door phones to the door unit, panel and lock are obviously not required if the door phones do not switch to the door unit during night service.



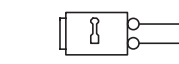
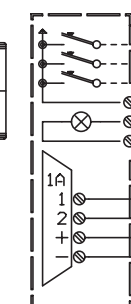
TO THE FOLLOWING HOUSE PHONES

HOUSE PHONES Mod.1130

NOTE \*

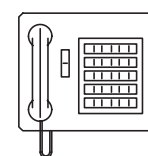
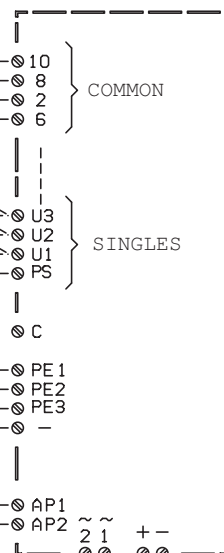


PUSH BUTTON PANEL  
AND DOOR UNIT  
Ref.5150/500  
or Ref.824/500  
for Kombi

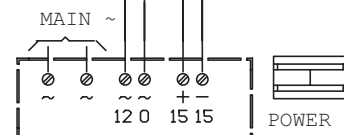


ELECTRIC LOCK

Lock Release



HOUSEPHONE  
SWITCHBOARD  
Ref.14000/...A  
Ref.15000/...A  
Ref.16000/...A  
Ref.17000/...A



POWER SUPPLY  
Ref.786/3



# **BASIC DIAGRAMS FOR COAX ELECTRONIC VIDEO DOOR PHONE SYSTEMS**

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## DOOR PHONE AND VIDEO DOOR PHONE SYSTEM - DIAGRAM



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## CONNECTION OF VIDEO DOOR PHONES TO 1 VIDEO OUTDOOR STATION Mod. SINTHESI or Mod. K-STEEL



### FUNCTION

This system allows connection between the video outdoor station and the various monitors situated in the apartments. When the visitor presses a button on the push button panel, the bitonal electronic call is sent to the corresponding monitor loudspeaker and, after about 7 seconds, the image appears on the screen.

At this point the user sees the visitor and can answer, if he wishes, unhooking the handset. At the end of the conversation, the electric lock can be operated by pressing the key (🔑).

Vision of the image lasts about 60 seconds, after which the intervention of the built-in timer in the power supply causes it to go off. If a second monitor is called before the end of the 60 seconds, the first monitor will automatically go off and the latter comes on. This feature guarantees secrecy of vision.

### EQUIPMENT

The following devices are needed for the system illustrated in diagram SV102-2631C:

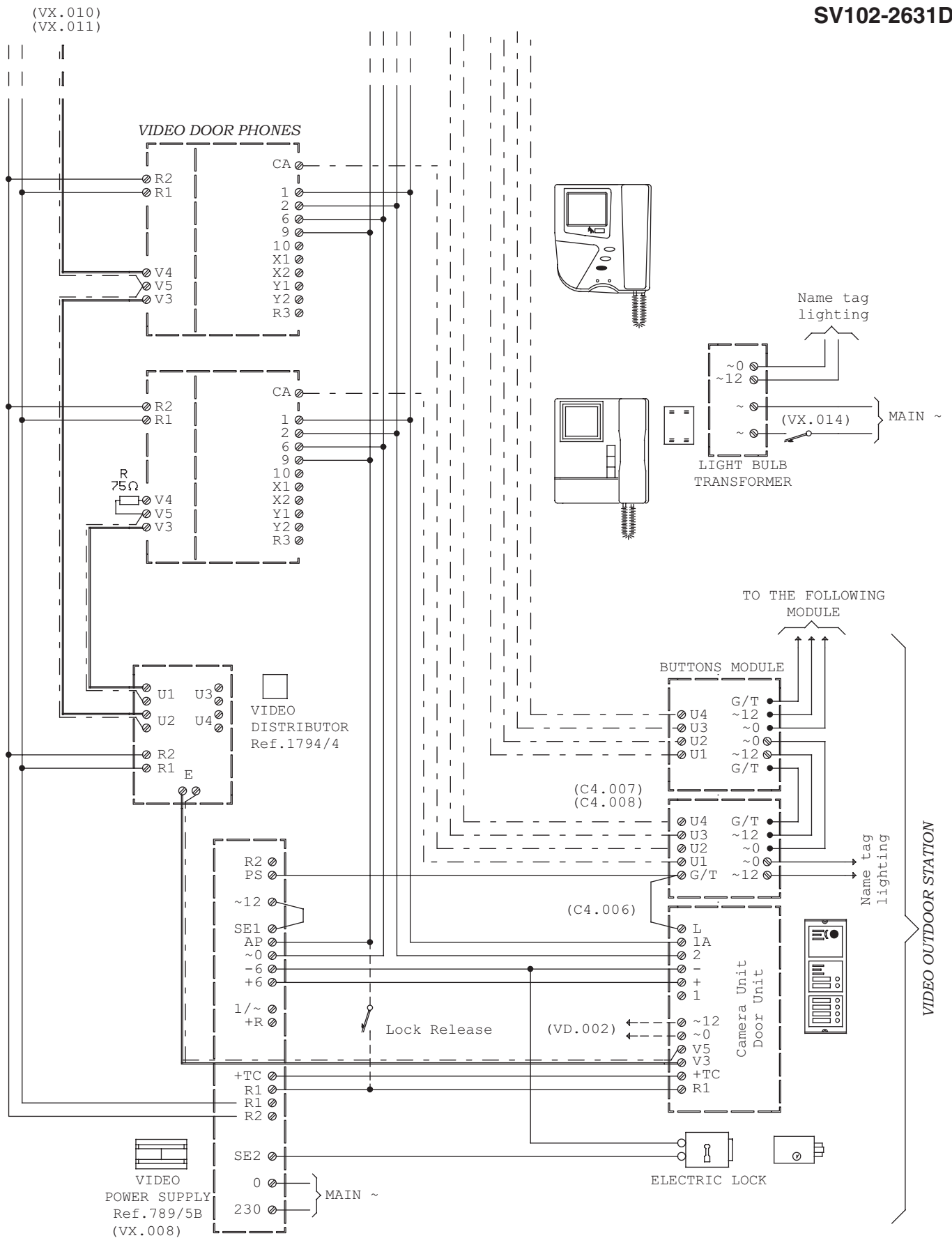
|                                     |                                | Ref.                | Quantity |
|-------------------------------------|--------------------------------|---------------------|----------|
| VIDEO DOOR PHONES                   |                                |                     |          |
| Video door phone                    | Sentry+/Direct vision          | 1704/1A             | N        |
|                                     | or<br>Sentry+/Reflex vision    | 1704/10A            |          |
| Bracket for                         | Sentry+                        | 1704/90             | N        |
| Embedding box<br>for wall mounting  | Sentry+ direct<br>vision only  | 1704/60             | N        |
|                                     | or<br>Kit<br>for table version | 1704/50             |          |
| or                                  |                                |                     |          |
| Video door phone                    | Winflat+                       | 1202/1A             | N        |
| Bracket for                         | Winflat+                       | 1202/90             | N        |
| Kit<br>for table version            | Winflat+                       | 1202/92             | N        |
| VIDEO OUTDOOR STATION               |                                |                     |          |
| Module with camera<br>and door unit | Mod. Sinthesi                  | 1745/80-/81-/82     | 1        |
|                                     | or<br>Mod. K-Steel             | 1755/80             |          |
| Button<br>modules                   | Mod. Sinthesi                  | 1145/11-/12-/13-/14 | X        |
|                                     | or<br>Mod. K-Steel             | 1155/11-/12-/13-/14 |          |
| VARIOUS                             |                                |                     |          |
| Video Power Supply                  | 230V                           | 789/5B              | 1        |
| Video Distributor                   |                                | 1794/4              | 1        |

### DIAGRAM NOTES

(see section 1)  
**C4.006**  
 Sinthesi models only:  
 Connect jumper L with G/T

**C4.007**  
**C4.008**  
**VD.002**  
**VX.003**  
**VX.008**  
**VX.010**  
**VX.011**  
**VX.014**





## CONNECTION OF VIDEO DOOR PHONES TO 1 VIDEO OUTDOOR STATION Mod. 725 or Mod. KOMBI



### FUNCTION

This system allows connection between the video outdoor station and the various monitors situated in the apartments. When the visitor presses a button on the push button panel, the bitonal electronic call is sent to the corresponding monitor loudspeaker and, after about 7 seconds, the image appears on the screen.

At this point the user sees the visitor and can answer, if he wishes, unhooking the handset. At the end of the conversation, the electric lock can be operated by pressing the key (🔑).

Vision of the image lasts about 60 seconds, after which the intervention of the built-in timer in the power supply causes it to go off. If a second monitor is called before the end of the 60 seconds, the first monitor will automatically go off and the latter comes on. This feature guarantees secrecy of vision.

### EQUIPMENT

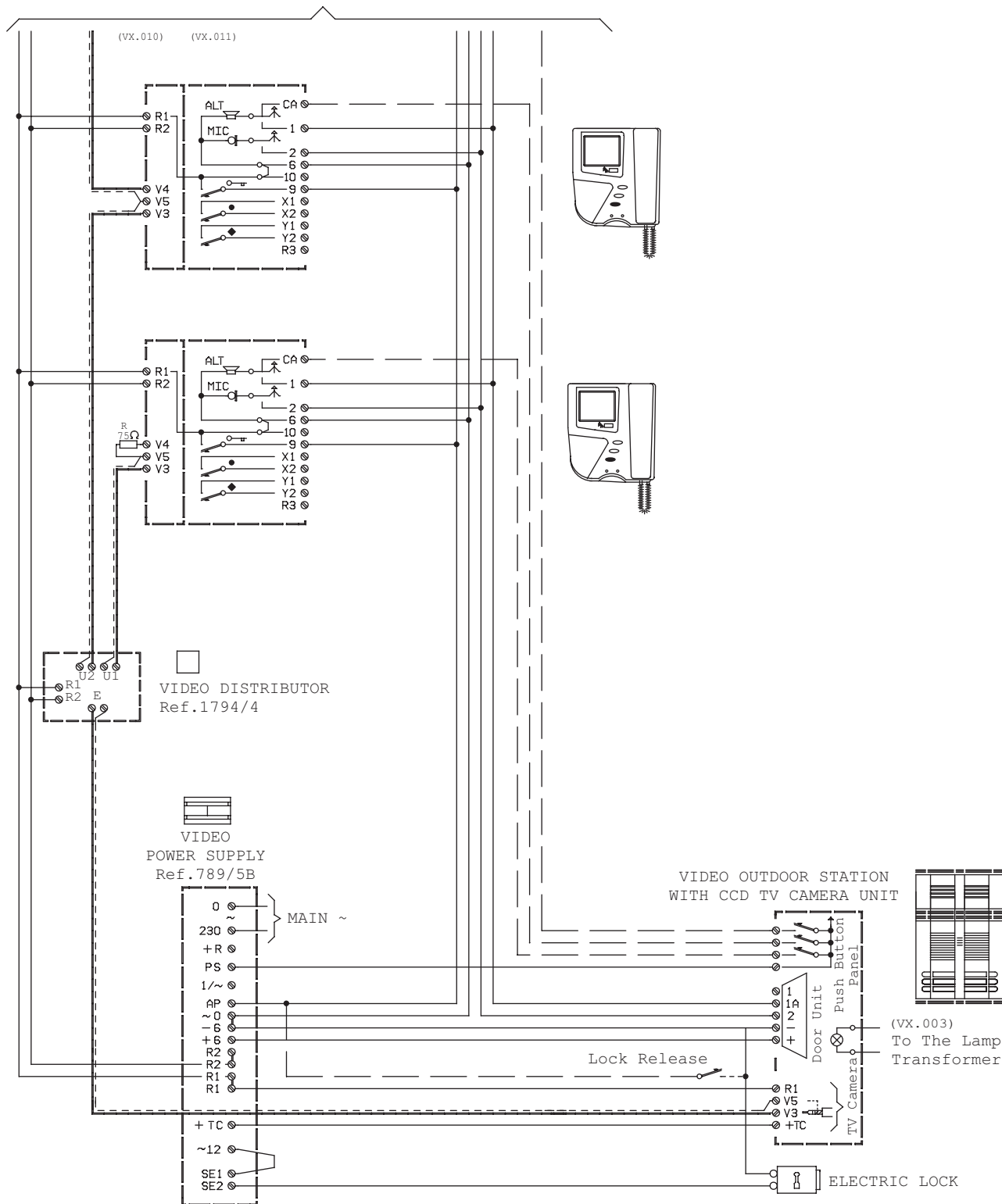
The following devices are needed for the system illustrated in diagram SV102-1608C:

|  |   | Ref.  | Quantity |
|--|---|---|----------|
| <b>VIDEO DOOR PHONES</b>               |   |   |          |
| <b>Video door phone</b>                | <b>Sentry+ / Direct vision</b>              | <b>1704/1A</b>                                | N        |
|  | <i>or</i><br><b>Sentry+ / Reflex vision</b> | <b>1704/10A</b>                               |          |
| <b>Bracket for</b>                     | <b>Sentry+</b>                              | <b>1704/90</b>                                | N        |
| <b>Embedding box for wall mounting</b> | <b>Sentry+ direct vision only</b>           | <b>1704/60</b>                                | N        |
|  | <i>or</i><br><b>Kit for table version</b>   | <b>1704/50</b>                                |          |
|  | <i>or</i>                                   |   |          |
| <b>Video door phone</b>                | <b>Winflat+</b>                             | <b>1202/1A</b>                                | N        |
| <b>Bracket for</b>                     | <b>Winflat+</b>                             | <b>1202/90</b>                                | N        |
| <b>Kit for table version</b>           | <b>Winflat+</b>                             | <b>1202/92</b>                                | N        |
| <b>VIDEO OUTDOOR STATION</b>           |   |   |          |
| <b>Video outdoor station</b>           | <b>Mod. 725</b>                             | see the sec. 2e of technical manual MT101-013 | 1        |
|  | <i>or</i><br><b>Mod. Kombi</b>              | see the sec. 2d of technical manual MT101-013 |          |
| <b>Door Unit</b>                       | <b>Mod. 725</b>                             | <b>5150/500</b>                               | 1        |
|  | <i>or</i><br><b>Mod. Kombi</b>              | <b>824/500</b>                                |          |
| <b>Button modules</b>                  | <b>Mod. Kombi</b>                           | <b>825/201-/202-/203 -/204</b>                | X        |
| <b>VARIOUS</b>                         |   |   |          |
| <b>Video Power Supply</b>              | <b>230V</b>                                 | <b>789/5B</b>                                 | 1        |
| <b>Video Distributor</b>               |   | <b>1794/4</b>                                 | 1        |

### DIAGRAM NOTES

(see section 1)  
VX.003  
VX.010  
VX.011

TO THE FOLLOWING MONITORS



**CONNECTION OF VIDEO DOOR PHONES AND HOUSE PHONES TO 1 VIDEO  
OUTDOOR STATION  
CONNECTION IN THE RISER OF A NUMBER OF HOUSE PHONES WITH VOICE  
SERVICE ONLY**



## FUNCTION

This system has the same operation features as the basic system (Scheme SV 102-1608) with the possibility to add simple house phones onto the same riser with phonic service only.

## EQUIPMENT

The following devices are needed for the system illustrated in diagram SV102-1609D:

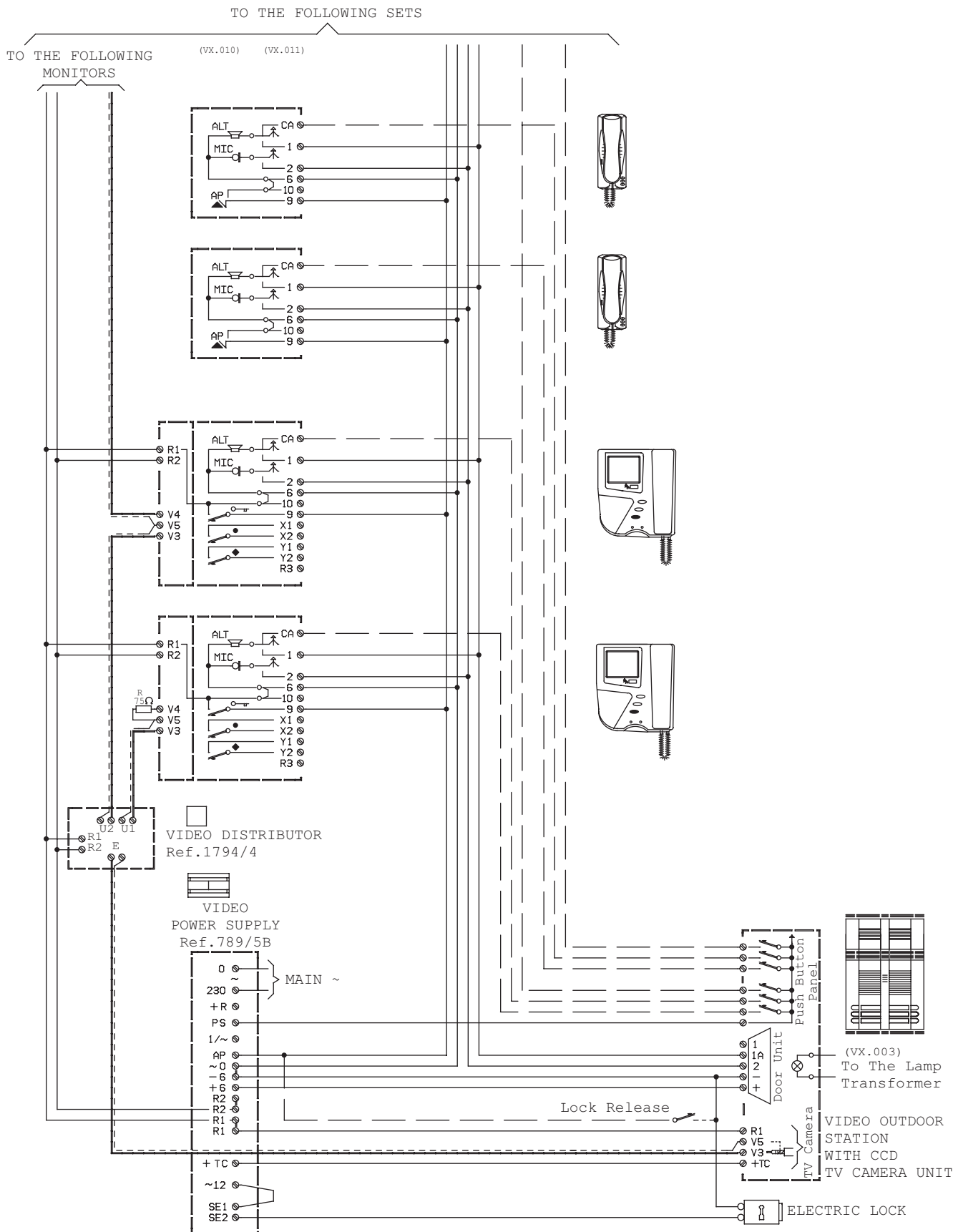
|                                    |                               | Ref.  | Quantity |
|------------------------------------|-------------------------------|---|----------|
| VIDEO DOOR PHONES                  |                               |   |          |
| Video door phone                   | Sentry+/Direct vision         | 1704/1A   | N        |
|                                    | or<br>Sentry+/Reflex vision   | 1704/10A  |          |
| Bracket for                        | Sentry+                       | 1704/90   | N        |
| Embedding box<br>for wall mounting | Sentry+ direct<br>vision only | 1704/60   | N        |
| or<br>Kit<br>for table version     | Sentry+ direct<br>vision only | 1704/50   |          |
| or                                 |                               |   |          |
| Video door phone                   | Winflat+                      | 1202/1A   | N        |
| Bracket for                        | Winflat+                      | 1202/90   | N        |
| Kit<br>for table version           | Winflat+                      | 1202/92   | N        |
| HOUSE PHONES                       |                               |   |          |
| House phone                        | Mod. Atlantico                | 1133  | N        |
|                                    | or<br>Mod. 1131               | 1131  |          |
|                                    | or<br>Mod.1132                | 1132  |          |
|                                    |                               |   |          |
| VIDEO OUTDOOR STATION              |                               |   |          |
| Video<br>outdoor station           | Mod. 725                      | see the sec. 2e<br>of technical manual<br>MT101-013 | 1        |
|                                    | or<br>Mod. Kombi              | see the sec. 2d<br>of technical manual<br>MT101-013 |          |
| Door Unit                          | Mod. 725                      | 5150/500  | 1        |
|                                    | or<br>Mod. Kombi              | 824/500   |          |
| Button modules                     | Mod. Kombi                    | 825/201-/202-/203<br>-/204                          | X        |
| VARIOUS                            |                               |   |          |
| Video Power Supply                 | 230V                          | 789/5B  | 1        |
| Video Distributor                  |                               | 1794/4  | 1        |

## DIAGRAM NOTES

(see section 1)  
VX.003  
VX.010  
VX.011

**CONNECTION OF VIDEO DOOR PHONES AND HOUSE PHONES TO 1 VIDEO  
OUTDOOR STATION  
CONNECTION IN THE RISER OF A NUMBER OF HOUSE PHONES WITH VOICE  
SERVICE ONLY**

**SV102-1609D**




**CONNECTION OF VIDEO DOOR PHONES TO 1 VIDEO OUTDOOR STATION**  
**THE VIDEO OUTDOOR STATION IS EQUIPPED WITH A SEPARATE CCD TV CAMERA**  
**Possibility of automatic connection by the monitors to the TV camera**  
**Mod. SINTHESI or Mod. K-STEEL**



## FUNCTION


This system allows connection between the video outdoor station and the various monitors situated in the apartments.

When the visitor presses a button on the push button panel, the bitonal electronic call is sent to the corresponding monitor loudspeaker and, after about 7 seconds, the image appears on the screen.

At this point the user sees the visitor and can answer, if he wishes, unhooking the handset. At the end of the conversation, the electric lock can be operated by pressing the key .

Vision of the image lasts about 60 seconds, after which the intervention of the built-in timer in the power supply causes it to go off. If a second monitor is called before the end of the 60 seconds, the first monitor will automatically go off and the latter comes on.

This feature guarantees secrecy of vision.

Press button  on the video door phone to switch on the camera also without having received a call.

## EQUIPMENT

The following devices are needed for the system illustrated in diagram SV102-3118:

|  |   | Ref.                       | Quantity |
|--|---|----------------------------|----------|
| <b>VIDEO DOOR PHONES</b>               |   |                            |          |
| <b>Video door phone</b>                | <b>Sentry+ / Direct vision</b>              | <b>1704/1A</b>             | <b>N</b> |
|  | <b>or</b><br><b>Sentry+ / Reflex vision</b> | <b>1704/10A</b>            |          |
| <b>Bracket for</b>                     | <b>Sentry+</b>                              | <b>1704/90</b>             | <b>N</b> |
| <b>Embedding box for wall mounting</b> | <b>Sentry+ direct vision only</b>           | <b>1704/60</b>             | <b>N</b> |
|  | <b>or</b><br><b>Kit for table version</b>   | <b>1704/50</b>             |          |
|  | <b>or</b>                                   |                            |          |
| <b>Video door phone</b>                | <b>Winflat+</b>                             | <b>1202/1A</b>             | <b>N</b> |
| <b>Bracket for</b>                     | <b>Winflat+</b>                             | <b>1202/90</b>             | <b>N</b> |
| <b>Kit for table version</b>           | <b>Winflat+</b>                             | <b>1202/92</b>             | <b>N</b> |
| <b>OUTDOOR STATION</b>                 |   |                            |          |
| <b>Button modules</b>                  | <b>Mod. Sinthesi</b>                        | <b>1145/11-/12-/13-/14</b> | <b>X</b> |
|  | <b>or</b><br><b>Mod. K-Steel</b>            | <b>1155/11-/12-/13-/14</b> |          |
| <b>Door Unit Module</b>                | <b>Mod. Sinthesi</b>                        | <b>1145/20</b>             | <b>1</b> |
|  | <b>or</b><br><b>Mod. K-Steel</b>            | <b>1155/20</b>             |          |
| <b>Amplified Loudspeaking</b>          | <b>Mod. Sinthesi</b>                        | <b>1145/500</b>            |          |
| <b>Tv Camera CCD</b>                   |   | <b>1090/108</b>            | <b>1</b> |
| <b>VARIOUS</b>                         |   |                            |          |
| <b>Video Power Supply</b>              | <b>230V</b>                                 | <b>789/5B</b>              | <b>1</b> |
| <b>Relay</b>                           |   | <b>788/5</b>               | <b>1</b> |
| <b>TV Camera adapter</b>               | <b>12 Vcc</b>                               | <b>1840/44</b>             | <b>1</b> |
| <b>Video Distributor</b>               |   | <b>1794/4</b>              | <b>1</b> |

## DIAGRAM NOTES

(see section 1)

**C4.006**

Sinthesi models only:

Connect jumper L with G/T

**C4.007**

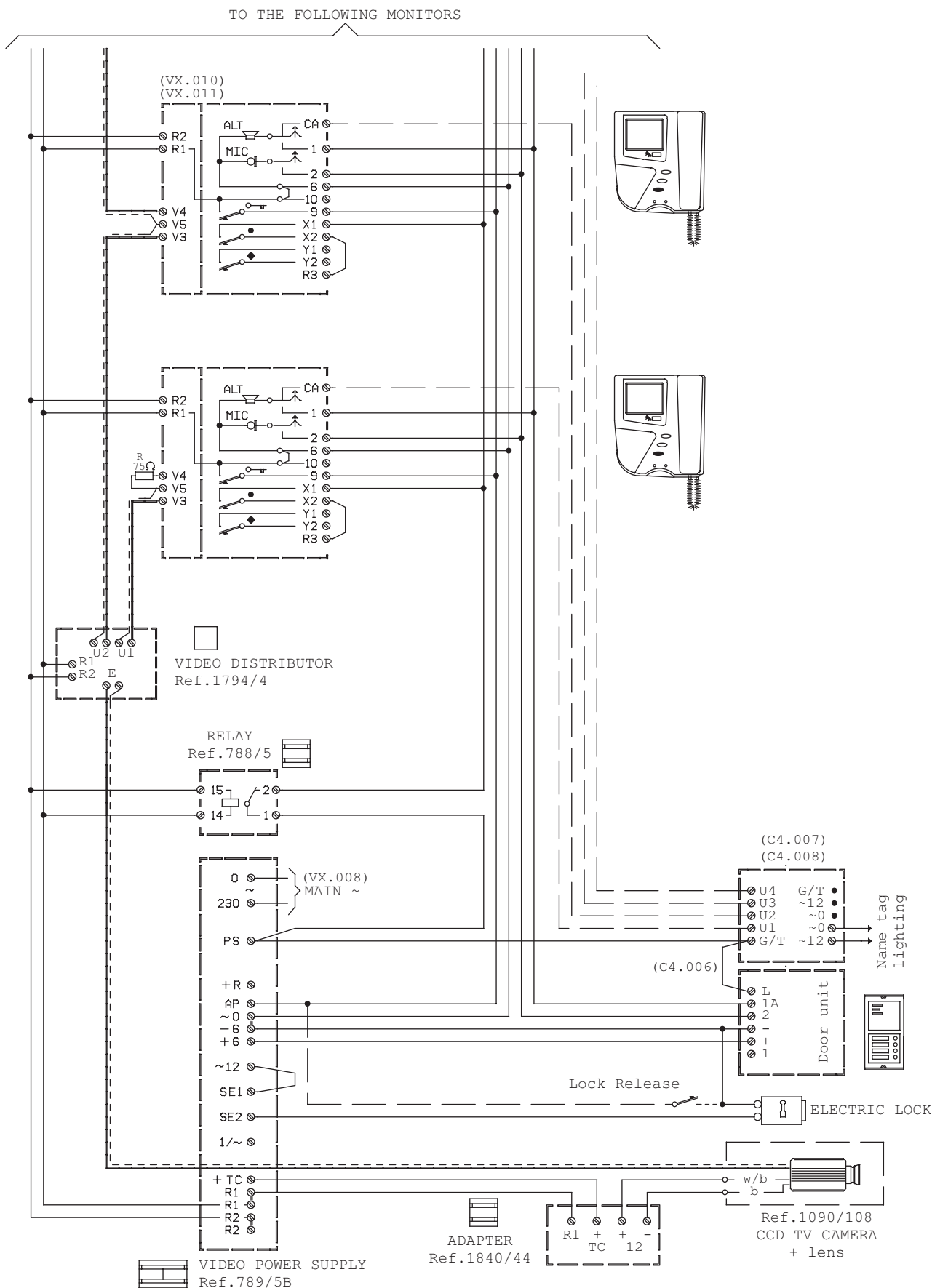
**C4.008**

**VX.003**

**VX.008**

**VX.010**

**VX.011**




**CONNECTION OF VIDEO DOOR PHONES TO 1 VIDEO OUTDOOR STATION**  
**THE VIDEO OUTDOOR STATION IS EQUIPPED WITH A SEPARATE CCD TV CAMERA**  
**Possibility of automatic connection by the monitors to the TV camera**  
**Mod. 725 or Mod. KOMBI**



## FUNCTION


This system allows connection between the video outdoor station and the various monitors situated in the apartments.

When the visitor presses a button on the push button panel, the bitonal electronic call is sent to the corresponding monitor loudspeaker and, after about 7 seconds, the image appears on the screen.

At this point the user sees the visitor and can answer, if he wishes, unhooking the handset. At the end of the conversation, the electric lock can be operated by pressing the key .

Vision of the image lasts about 60 seconds, after which the intervention of the built-in timer in the power supply causes it to go off. If a second monitor is called before the end of the 60 seconds, the first monitor will automatically go off and the latter comes on.

This feature guarantees secrecy of vision.

Press button  on the video door phone to switch on the camera also without having received a call.

## EQUIPMENT

The following devices are needed for the system illustrated in diagram SV102-1610E:

|  |   | Ref.  | Quantity |
|--|---|---|----------|
| <b>VIDEO DOOR PHONES</b>               |   |   |          |
| <b>Video door phone</b>                | <b>Sentry+ / Direct vision</b>              | <b>1704/1A</b>                                | N        |
|  | <i>or</i><br><b>Sentry+ / Reflex vision</b> | <b>1704/10A</b>                               |          |
| <b>Bracket for</b>                     | <b>Sentry+</b>                              | <b>1704/90</b>                                | N        |
| <b>Embedding box for wall mounting</b> | <b>Sentry+ direct vision only</b>           | <b>1704/60</b>                                | N        |
|  | <i>or</i>                                   |   |          |
| <b>Kit for table version</b>           | <b>Sentry+ direct vision only</b>           | <b>1704/50</b>                                |          |
| <i>or</i>                              |   |   |          |
| <b>Video door phone</b>                | <b>Winflat+</b>                             | <b>1202/1A</b>                                | N        |
| <b>Bracket for</b>                     | <b>Winflat+</b>                             | <b>1202/90</b>                                | N        |
| <b>Kit for table version</b>           | <b>Winflat+</b>                             | <b>1202/92</b>                                | N        |
| <b>OUTDOOR STATION</b>                 |   |   |          |
| <b>Push button panel</b>               | <b>Mod. 725</b>                             | see the sec. 2e of technical manual MT101-013 | 1        |
|  | <i>or</i><br><b>Mod. Kombi</b>              | see the sec. 2d of technical manual MT101-013 |          |
| <b>Door Unit</b>                       | <b>Mod. 725</b>                             | <b>5150/500</b>                               | 1        |
|  | <i>or</i><br><b>Mod. Kombi</b>              | <b>824/500</b>                                |          |
| <b>Tv Camera CCD</b>                   |   | <b>1090/108</b>                               | 1        |
| <b>Button modules</b>                  | <b>Mod. Kombi</b>                           | <b>825/201-/202-/203-/204</b>                 | X        |
| <b>VARIOUS</b>                         |   |   |          |
| <b>Video Power Supply</b>              | <b>230V</b>                                 | <b>789/5B</b>                                 | 1        |
| <b>Relay</b>                           |   | <b>788/5</b>                                  | 1        |
| <b>TV Camera adapter</b>               | <b>12 Vcc</b>                               | <b>1840/44</b>                                | 1        |
| <b>Video Distributor</b>               |   | <b>1794/4</b>                                 | 1        |

## DIAGRAM NOTES

(see section 1)

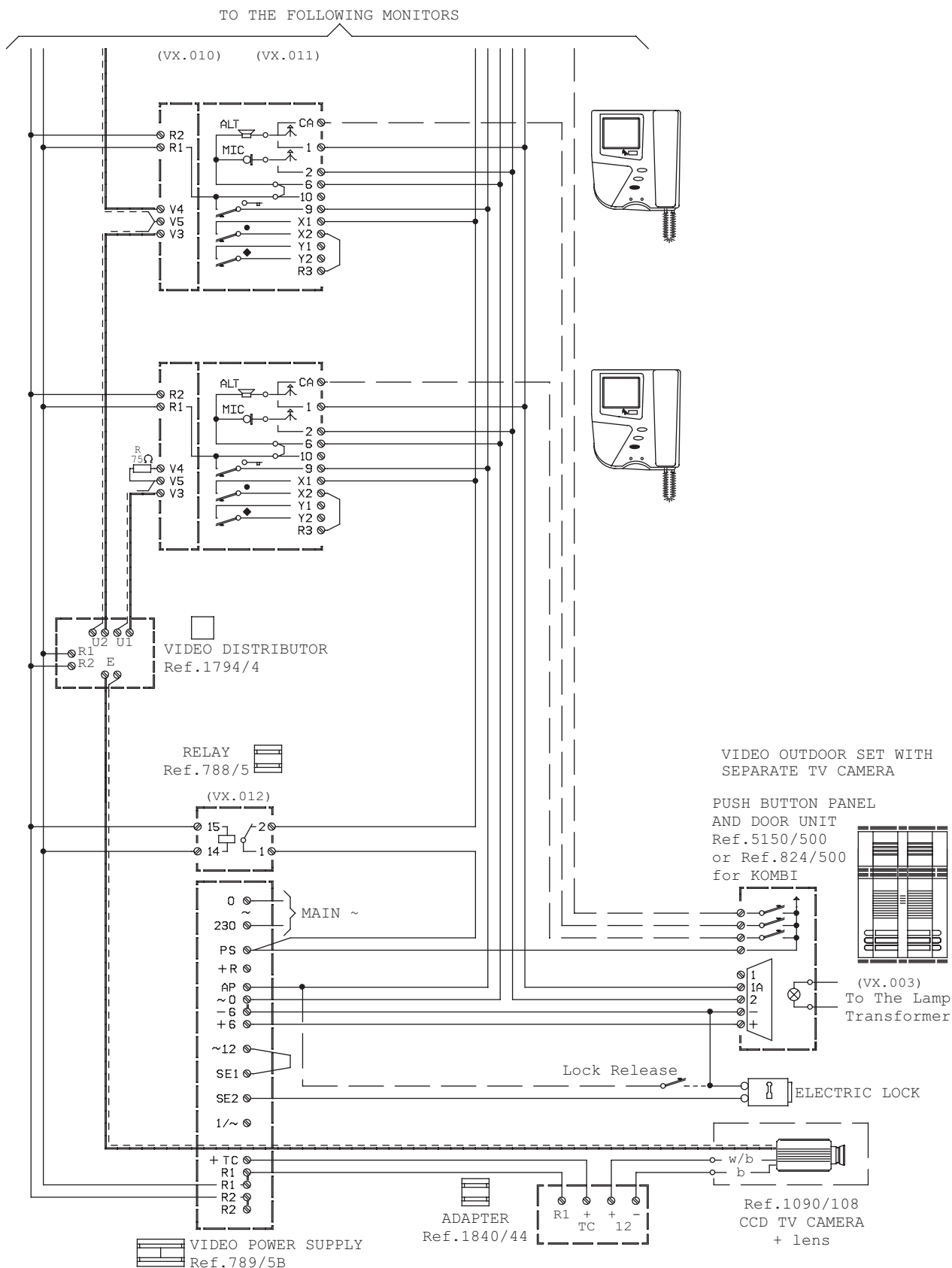
VX.003

VX.010

VX.011

VX.012





CONNECTION OF 4 SENTRY+ MONITORS TO 1 VIDEO OUTDOOR STATION  
THE VIDEO OUTDOOR STATION CALLS THE 4 MONITORS IN PARALLEL WITH  
CONCURRENT POWER-ON



FUNCTION

This system is particularly suited for detached houses where it is necessary to call and activate 4 SENTRY+ monitors concurrently using a single call key.  
As the video power supply can power only one monitor, monitors 2, 3 and 4 must be powered with a local power supply

EQUIPMENT

The following devices are needed for the system illustrated in diagram SV102-2066C:

|                                    |                               | Ref.     | Quantity |
|------------------------------------|-------------------------------|----------|----------|
| VIDEO DOOR PHONES                  |                               |          |          |
| Video door phone                   | Sentry+/Direct vision         | 1704/1A  | 4        |
|                                    | or<br>Sentry+/Reflex vision   | 1704/10A |          |
| Bracket for                        | Sentry+                       | 1704/90  | 4        |
| Embedding box<br>for wall mounting | Sentry+ direct<br>vision only | 1704/60  | 4        |
|                                    | or                            |          |          |
| Kit<br>for table version           | Sentry+ direct<br>vision only | 1704/50  |          |

VIDEO OUTDOOR STATION

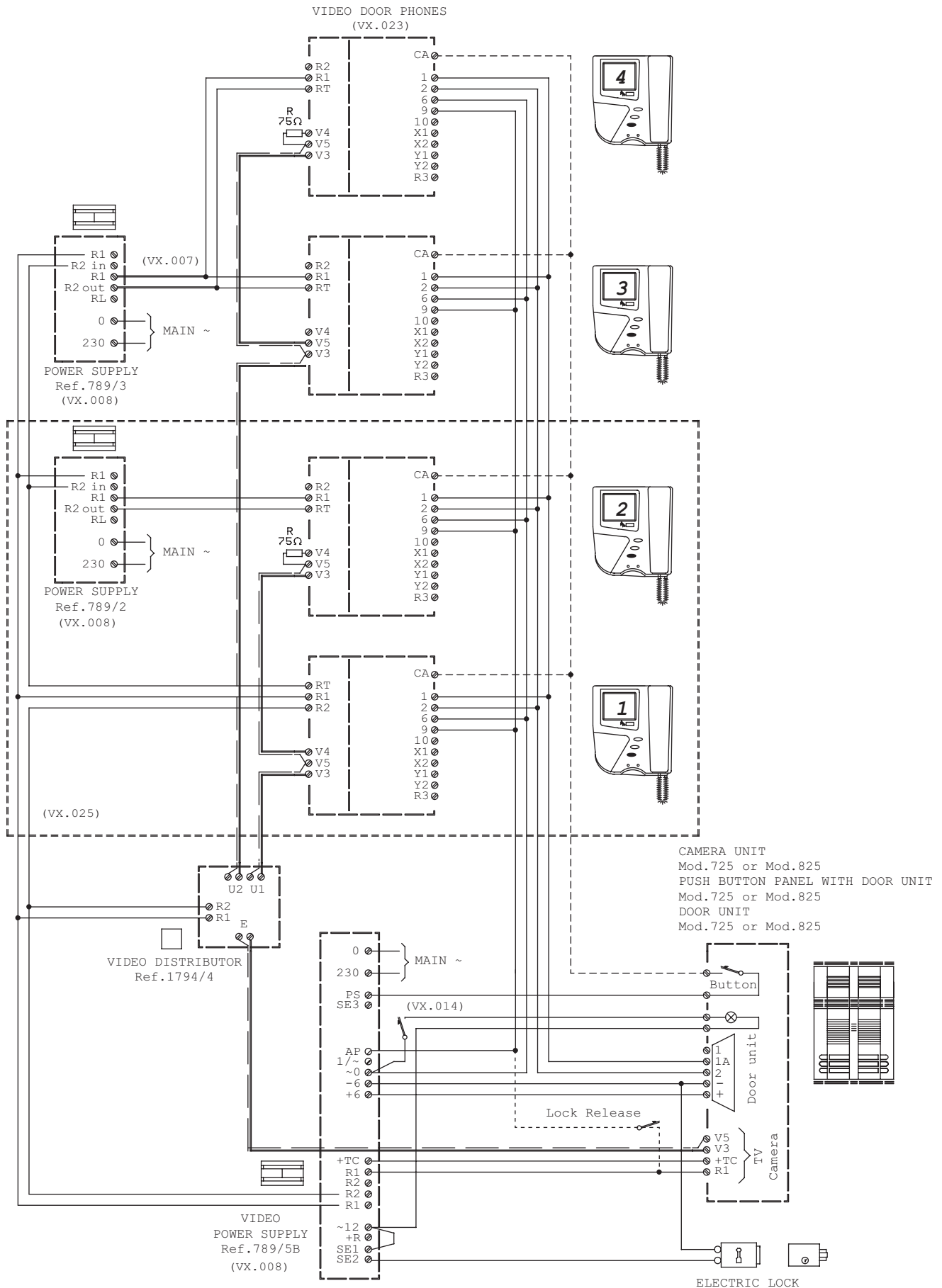
|   |                  |   |   |
|---|------------------|---|---|
| Video<br>outdoor station<br>with 1 button | Mod. 725         | see the sec. 2e<br>of technical manual<br>MT101-013 | 1 |
|   | or<br>Mod. Kombi | see the sec. 2d<br>of technical manual<br>MT101-013 |   |
| Door Unit                                 | Mod. 725         | 5150/500  | 1 |
|   | or<br>Mod. Kombi | 824/500   |   |

VARIOUS

|                         |        |   |
|-------------------------|--------|---|
| Video Power Supply 230V | 789/5B | 1 |
| Local Power supply      | 789/3  | 1 |
| Video Distributor       | 1794/4 | 1 |
| Video Power Supply      | 789/2  | 1 |

DIAGRAM NOTES

(see section 1)  
VX.003  
VX.007  
VX.008  
VX.014  
VX.023  
VX.025




## CONNECTION OF 1 VIDEO DOOR PHONE TO 1 VIDEO OUTDOOR STATION

### Possibility of automatic activation of a second control tv camera


#### Mod. SINTHESI or Mod. K-STEEL




### FUNCTION

This system is particularly suitable in one-family villas. The monitor, besides being connected to a TV camera unit, can self-insert on a secondary control TV camera by pressing the service button .

An internal closed TV circuit system is thus made, which allows the control of a room (i.e. children's room) and the outside entrance at any time.

The secondary TV camera is turned on for about a minute, after which it automatically turns off. In any case, a call from the video outdoor station automatically switches the monitor to the external TV camera unit thus excluding the second TV camera; in order to reset the latter, it is sufficient to press the service key  when the conversation with the video outdoor station is over.

With the other service key  it is possible to self-insert also on the video outdoor station.

### EQUIPMENT

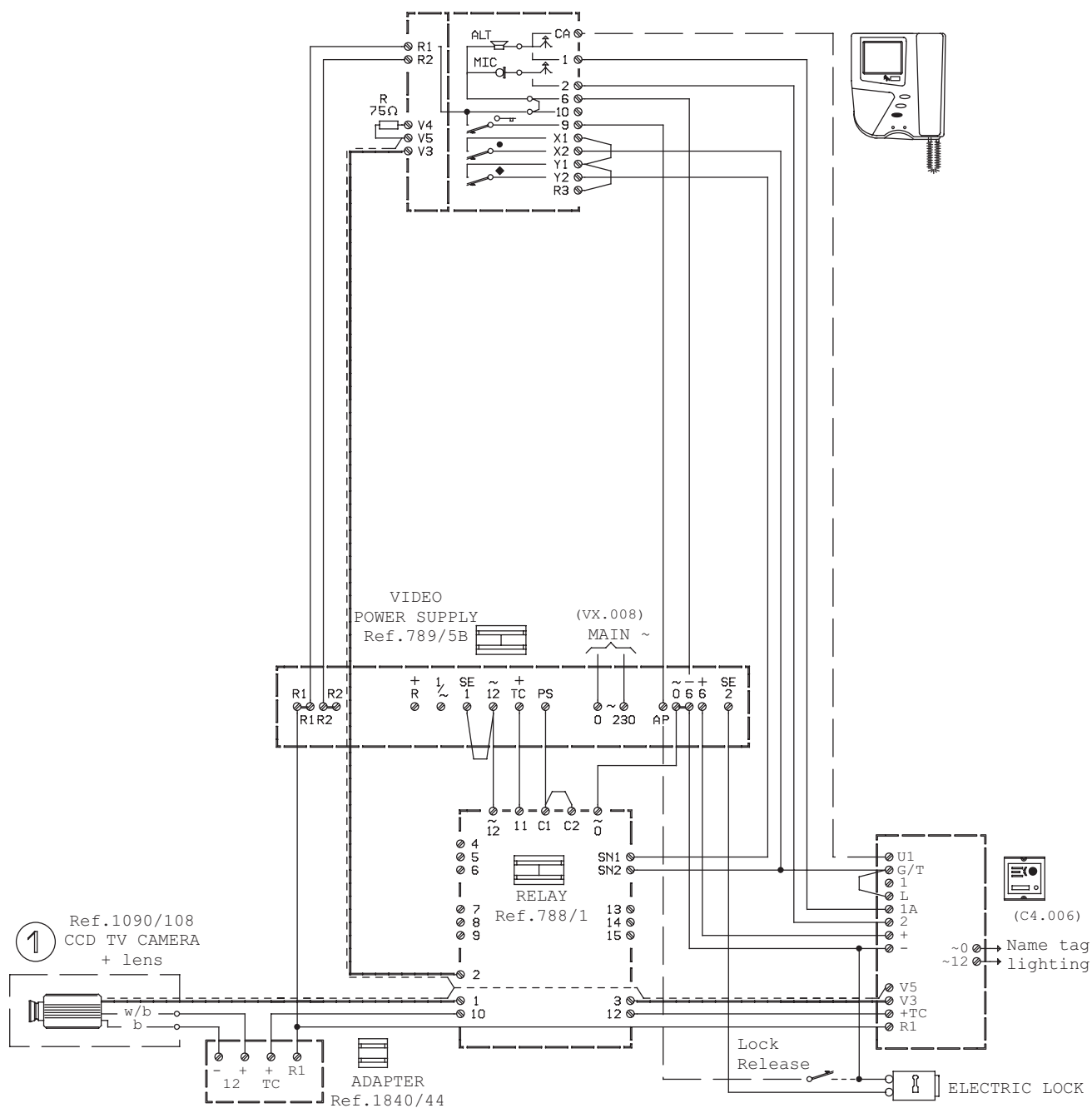
The following devices are needed for the system illustrated in diagram SV102-3119:

|   |                                | Ref.     | Quantity |
|---|--------------------------------|----------|----------|
| VIDEO DOOR PHONES                         |                                |          |          |
| Video door phone                          | Sentry+/Direct vision          | 1704/1A  | 1        |
|   | or<br>Sentry+/Reflex vision    | 1704/10A |          |
| Bracket for                               | Sentry+                        | 1704/90  | 1        |
| Embedding box<br>for wall mounting        | Sentry+ direct<br>vision only  | 1704/60  | 1        |
|   | or<br>Kit<br>for table version | 1704/50  |          |
| or  |                                |          |          |
| Video door phone                          | Winflat+                       | 1202/1A  | 1        |
| Bracket for                               | Winflat+                       | 1202/90  | 1        |
| Kit<br>for table version                  | Winflat+                       | 1202/92  | 1        |
| VIDEO OUTDOOR STATION                     |                                |          |          |
| Video<br>outdoor station<br>with 1 button | Mod. Sinthesi                  | 1745/81  | 1        |
|   | or<br>Mod. K-Steel             | 1755/81  |          |
| SECONDARY TV CAMERA                       |                                |          |          |
| Tv Camera CCD                             |                                | 1090/108 | 1        |
| TV Camera adapter                         |                                | 1840/44  | 1        |
| VARIOUS                                   |                                |          |          |
| Video Power Supply                        | 230V                           | 789/5B   | 1        |
| Relay                                     |                                | 788/1    | 1        |

### DIAGRAM NOTES

(see section 1)  
**C4.006**  
 Sinthesi models only:  
 Connect jumper L with G/T

**VX.003**  
**VX.008**




# CONNECTION OF 1 VIDEO DOOR PHONE TO 1 VIDEO OUTDOOR STATION

## Possibility of automatic activation of a second control tv camera


### Mod. 725 or Mod. KOMBI




#### FUNCTION

This system is particularly suitable in one-family villas. The monitor, besides being connected to a TV camera unit, can self-insert on a secondary control TV camera by pressing the service button .

An internal closed TV circuit system is thus made, which allows the control of a room (i.e. children's room) and the outside entrance at any time.

The secondary TV camera is turned on for about a minute, after which it automatically turns off. In any case, a call from the video outdoor station automatically switches the monitor to the external TV camera unit thus excluding the second TV camera; in order to reset the latter, it is sufficient to press the service key  when the conversation with the video outdoor station is over.

With the other service key  it is possible to self-insert also on the video outdoor station.

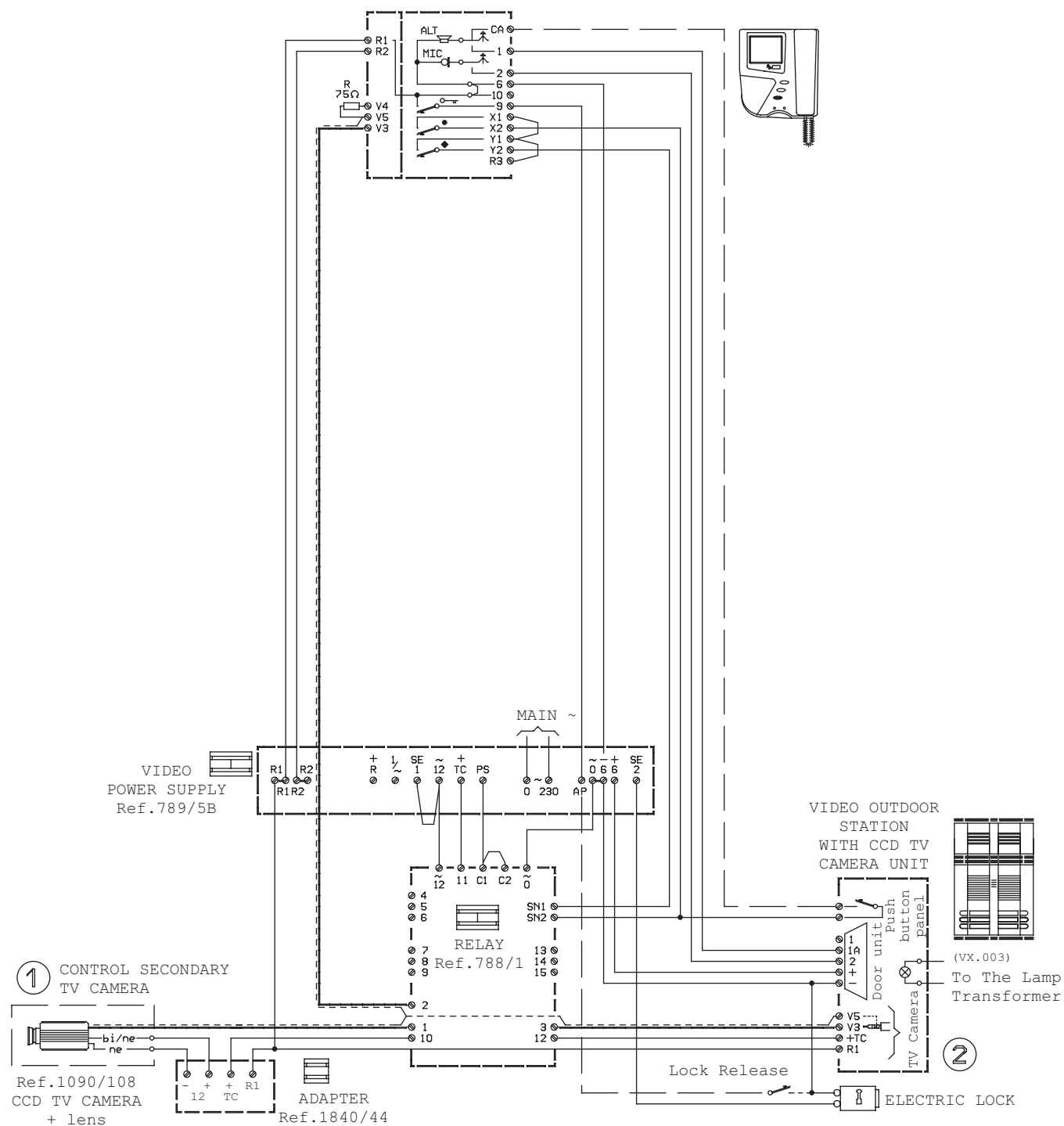
#### EQUIPMENT

The following devices are needed for the system illustrated in diagram SV102-1618C:

|  |                             | Ref.  | Quantity |
|--|-----------------------------|---|----------|
| VIDEO DOOR PHONES                      |                             |   |          |
| Video door phone                       | Sentry+/Direct vision       | 1704/1A   | 1        |
|  | or<br>Sentry+/Reflex vision | 1704/10A  |          |
| Bracket for                            | Sentry+                     | 1704/90   | 1        |
| Embedding box<br>for wall mounting     | Sentry+ direct vision only  | 1704/60   | 1        |
|  | or<br>Kit for table version | 1704/50   |          |
| or                                     |                             |   |          |
| Video door phone                       | Winflat+                    | 1202/1A   | 1        |
| Bracket for                            | Winflat+                    | 1202/90   | 1        |
| Kit<br>for table version               | Winflat+                    | 1202/92   | 1        |
| VIDEO OUTDOOR STATION                  |                             |   |          |
| Video outdoor station<br>with 1 button | Mod. 725                    | see the sec. 2e<br>of technical manual<br>MT101-013 | 1        |
|  | or<br>Mod. Kombi            | see the sec. 2d<br>of technical manual<br>MT101-013 |          |
| SECONDARY TV CAMERA                    |                             |   |          |
| Tv Camera CCD                          |                             | 1090/108  | 1        |
| TV Camera adapter                      |                             | 1840/44   | 1        |
| VARIOUS                                |                             |   |          |
| Video Power Supply                     | 230V                        | 789/5B  | 1        |
| Relay                                  |                             | 788/1   | 1        |

#### DIAGRAM NOTES

(see section 1)  
VX.003



## CONNECTION OF VIDEO DOOR PHONES TO 2 VIDEO OUTDOOR STATIONS AUTOMATIC SWITCHING IN THE CALL PHASE Mod. SINTHESI or Mod. K-STEEL




### FUNCTION

This system allows the connection of a column of monitors to 2 video outdoor stations with automatic switching.

When a visitor presses a call button on one of the two push button panels, in the called apartment the bitonal electronic call is sent to the corresponding monitor loudspeaker and the image appears on the screen after about 8 seconds.

During this phase, the relay box automatically inserts the relative loudspeaking unit and TV camera, excluding the other video outdoor station from the service.

At this point, the user sees the visitor and may respond, if desired, lifting the handset. At the end of the call, only the electric lock of the entrance concerned is activated pressing the key .

If, during a conversation, a call is made from the other push button panel towards another monitor, the first will automatically switch off and the last monitor called will be activated. It is not possible therefore to communicate with the 2 video outdoor stations at the same time in that they operate alternatively and are mutually exclusive.

### EQUIPMENT

The following devices are needed for the system illustrated in diagram SV102-2892B:

|                                       |                                    | Ref.                | Quantity |
|---------------------------------------|------------------------------------|---------------------|----------|
| VIDEO DOOR PHONES                     |                                    |                     |          |
| Video door phone                      | Sentry+/Direct vision              | 1704/1A             | N        |
|                                       | <i>or</i><br>Sentry+/Reflex vision | 1704/10A            |          |
| Bracket for                           | Sentry+                            | 1704/90             | N        |
| Embedding box for wall mounting       | Sentry+ direct vision only         | 1704/60             | N        |
|                                       | <i>or</i>                          |                     |          |
| Kit for table version                 | Sentry+ direct vision only         | 1704/50             |          |
| <i>or</i>                             |                                    |                     |          |
| Video door phone                      | Winflat+                           | 1202/1A             | N        |
| Bracket for                           | Winflat+                           | 1202/90             | N        |
| Kit for table version                 | Winflat+                           | 1202/92             | N        |
| VIDEO OUTDOOR STATION                 |                                    |                     |          |
| Module with camera unit and door unit | Mod. Sinthesi                      | 1745/80-/81-/82     | 2        |
|                                       | <i>or</i><br>Mod. K-Steel          | 1755/80             |          |
| Button modules                        | Mod. Sinthesi                      | 1745/11-/12-/13-/14 |          |
|                                       | <i>or</i><br>Mod. K-Steel          | 1755/11-/12-/13-/14 |          |
| VARIOUS                               |                                    |                     |          |
| Video Power Supply                    | 230V                               | 789/5B              | 1        |
| Relay                                 |                                    | 788/1               | 1        |
| Video Distributor                     |                                    | 1794/4              | 1        |

### DIAGRAM NOTES

(see section 1)

**C4.006**

Sinthesi models only:

Connect jumper L with G/T

**C4.007**

**C4.008**

**C4.016**

**VD.002**

**VX.003**

**VX.008**

**VX.010**

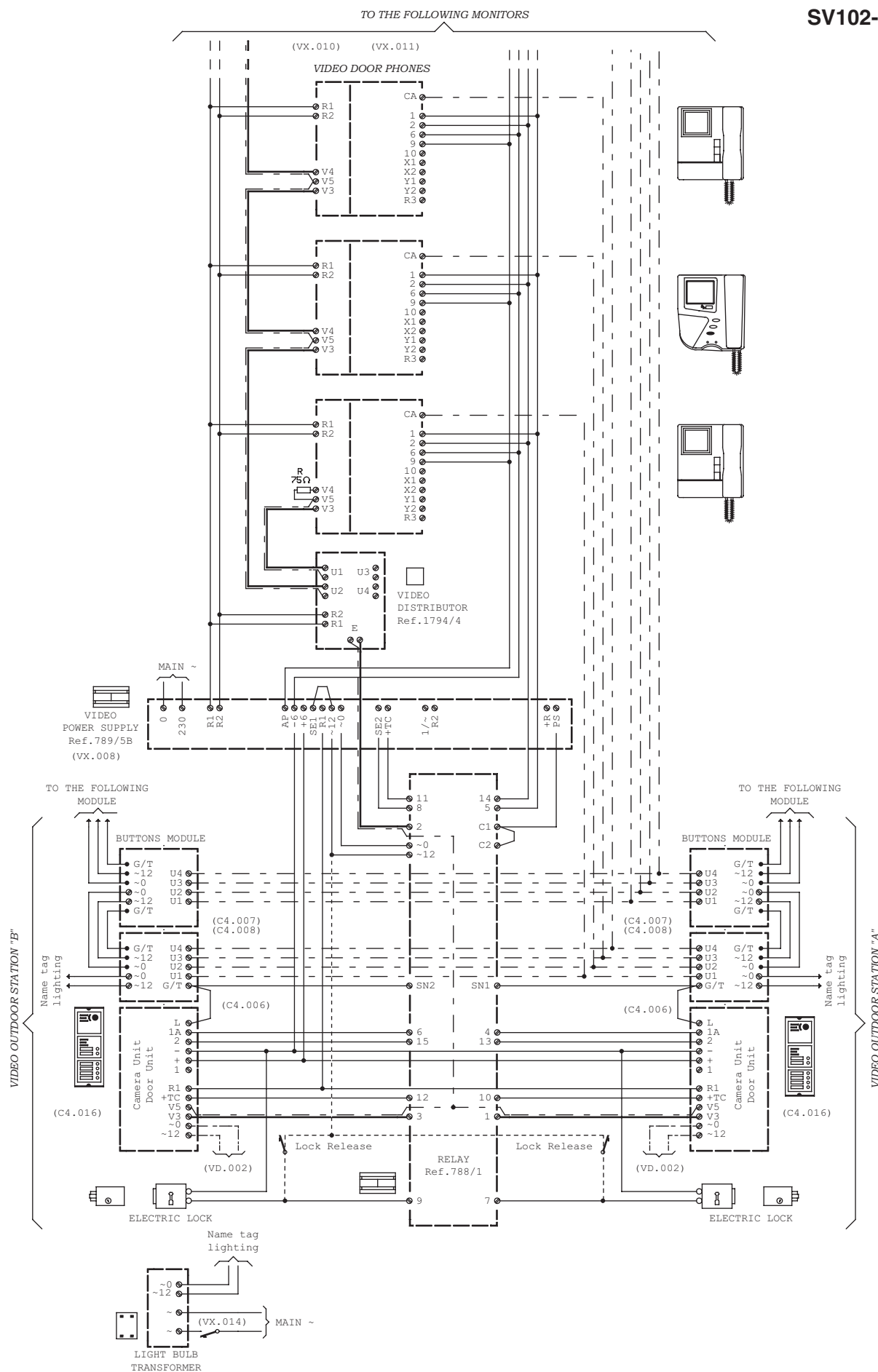
**VX.011**

**VX.014**



# CONNECTION OF VIDEO DOOR PHONES TO 2 VIDEO OUTDOOR STATIONS AUTOMATIC SWITCHING IN THE CALL PHASE Mod. SINTESI or Mod. K-STEEL

SV102-2892B



## CONNECTION OF VIDEO DOOR PHONES TO 2 VIDEO OUTDOOR STATIONS AUTOMATIC SWITCHING IN THE CALL PHASE Mod. 725 or Mod. KOMBI




### FUNCTION

This system allows the connection of a column of monitors to 2 video outdoor stations with automatic switching.

When a visitor presses a call button on one of the two push button panels, in the called apartment the bitonal electronic call is sent to the corresponding monitor loudspeaker and the image appears on the screen after about 8 seconds.

During this phase, the relay box automatically inserts the relative loudspeaking unit and TV camera, excluding the other video outdoor station from the service.

At this point, the user sees the visitor and may respond, if desired, lifting the handset. At the end of the call, only the electric lock of the entrance concerned is activated pressing the key .

If, during a conversation, a call is made from the other push button panel towards another monitor, the first will automatically switch off and the last monitor called will be activated. It is not possible therefore to communicate with the 2 video outdoor stations at the same time in that they operate alternatively and are mutually exclusive.

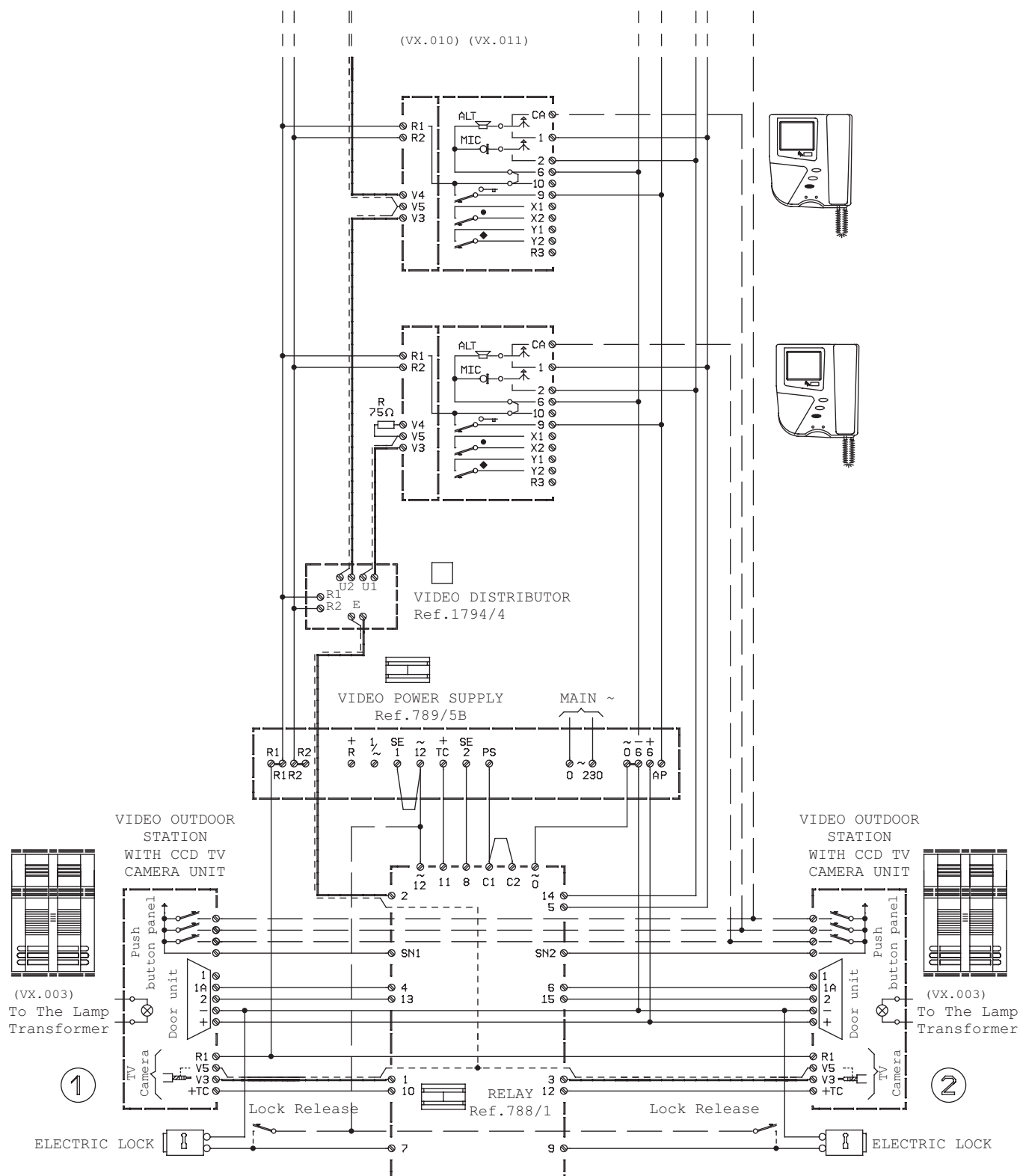
### EQUIPMENT

The following devices are needed for the system illustrated in diagram SV102-1617C:

|                                     |                             | Ref.  | Quantity |
|-------------------------------------|-----------------------------|---|----------|
| VIDEO DOOR PHONES                   |                             |   |          |
| Video door phone                    | Sentry+/Direct vision       | 1704/1A                                       | N        |
|                                     | or<br>Sentry+/Reflex vision | 1704/10A                                      |          |
| Bracket for                         | Sentry+                     | 1704/90                                       | N        |
| Embedding box for wall mounting     | Sentry+ direct vision only  | 1704/60                                       | N        |
|                                     | or<br>Kit for table version | 1704/50                                       |          |
| or                                  |                             |   |          |
| Video door phone                    | Winflat+                    | 1202/1A                                       | N        |
| Bracket for                         | Winflat+                    | 1202/90                                       | N        |
| Kit for table version               | Winflat+                    | 1202/92                                       | N        |
| VIDEO OUTDOOR STATION               |                             |   |          |
| Video outdoor station with 1 button | Mod. 725                    | see the sec. 2e of technical manual MT101-013 | 1        |
|                                     | or<br>Mod. Kombi            | see the sec. 2d of technical manual MT101-013 |          |
| Door Unit                           | Mod. 725                    | 5150/500                                      | 2        |
|                                     | or<br>Mod. Kombi            | 824/500                                       |          |
| VARIOUS                             |                             |   |          |
| Video Power Supply                  | 230V                        | 789/5B  | 1        |
| Relay                               |                             | 788/1   | 1        |
| Video Distributor                   |                             | 1794/4  | 1        |

### DIAGRAM NOTES

(see section 1)  
VX.003  
VX.010  
VX.011



# CONNECTION OF SEVERAL VIDEO DOOR PHONE GROUPS TO 1 VIDEO DOOR UNIT AND 1 DOOR UNIT

Mod. SINTHESI or Mod. K-STEEL


**urmet**  
DOMUS

## FUNCTION

This type of system is used to connect a video door phone column to an automatically switching video door unit or door unit.

A two-tone electronic call is sent to the corresponding video door phone speaker when a call button is pressed on either of the two panels; the picture appears on the screen after approximately seven seconds if the call was made by the video door unit.

The monitor will not light up and the video door phone will work as a normal door phone if the call is made from the camera unit and panel.

Press  at the end of the call to open the concerned door electrical lock only.

## EQUIPMENT

The following devices are needed for the system illustrated in diagram SV102-2934B:

|   |                               | Ref.                | Quantity |
|---|-------------------------------|---------------------|----------|
| VIDEO DOOR PHONES                           |                               |                     |          |
| Video door phone                            | Sentry+/Direct vision         | 1704/1A             | N        |
|   | or<br>Sentry+/Reflex vision   | 1704/10A            |          |
| Bracket for                                 | Sentry+                       | 1704/90             | N        |
| Embedding box<br>for wall mounting          | Sentry+ direct<br>vision only | 1704/60             | N        |
|   | or                            |                     |          |
| Kit<br>for table version                    | Sentry+ direct<br>vision only | 1704/50             |          |
| or  |                               |                     |          |
| Video door phone                            | Winflat+                      | 1202/1A             | N        |
| Bracket for                                 | Winflat+                      | 1202/90             | N        |
| Kit<br>for table version                    | Winflat+                      | 1202/92             | N        |
| VIDEO OUTDOOR STATION                       |                               |                     |          |
| Module with<br>camera unit and<br>door unit | Mod. Sinthesi                 | 1745/80-/81-/82     | 1        |
|   | or<br>Mod. K-Steel            | 1755/80             |          |
| Button<br>modules                           | Mod. Sinthesi                 | 1145/11-/12-/13-/14 | N        |
|   | or<br>Mod. K-Steel            | 1155/11-/12-/13-/14 |          |
| OUTDOOR STATION                             |                               |                     |          |
| Push button panel                           | Mod. Sinthesi                 | 1145/20-/21-/22     | 1        |
|   | or<br>Mod. K-Steel            | 1155/20-/21-/22     |          |
| Door Unit                                   | Mod. Sinthesi                 | 1145/500            | 1        |
| Button<br>modules                           | Mod. Sinthesi                 | 1145/11-/12-/13-/14 | N        |
|   | or<br>Mod. K-Steel            | 1155/11-/12-/13-/14 |          |
| VARIOUS                                     |                               |                     |          |
| Video Power Supply                          | 230V                          | 789/5B              | 1        |
| Relay                                       |                               | 788/1               | 1        |

## DIAGRAM NOTES

(see section 1)

**C4.006**

Sinthesi models only:

Connect jumper L with G/T

**C4.007**

**C4.008**

**C4.016**

**VD.002**

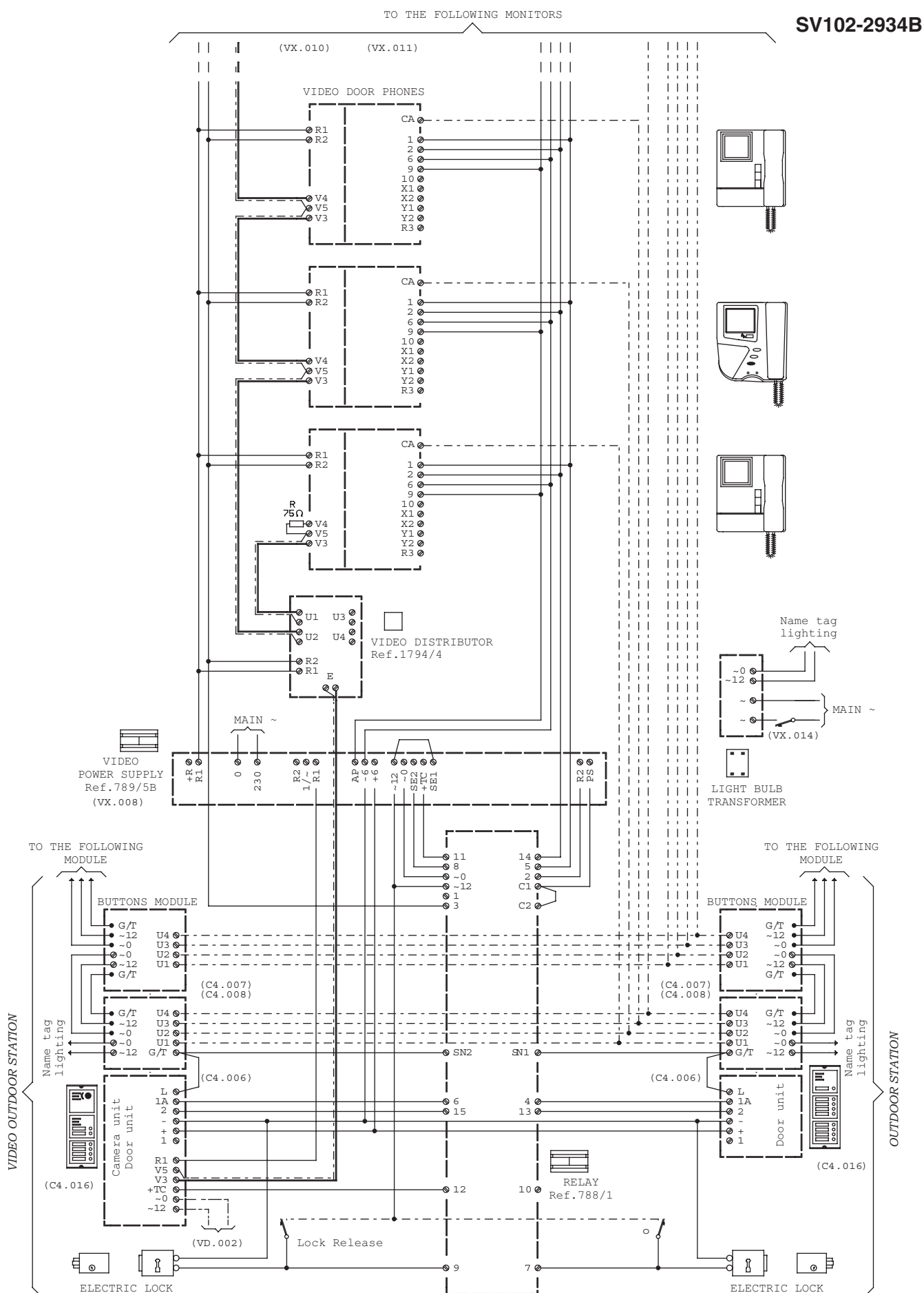
**VX.008**

**VX.010**

**VX.011**

**VX.014**


### CONNECTION OF SEVERAL VIDEO DOOR PHONE GROUPS TO 1 VIDEO DOOR UNIT AND 1 DOOR UNIT Mod. SINTHESI or Mod. K-STEEL



# CONNECTION OF SEVERAL VIDEO DOOR PHONE GROUPS TO 1 VIDEO DOOR UNIT AND 1 DOOR UNIT Mod. 725 or Mod. KOMBI



## FUNCTION

This type of system is used to connect a video door phone column to an automatically switching video door unit or door unit.  
A two-tone electronic call is sent to the corresponding video door phone speaker when a call button is pressed on either of the two panels; the picture appears on the screen after approximately seven seconds if the call was made by the video door unit.  
The monitor will not light up and the video door phone will work as a normal door phone if the call is made from the camera unit and panel.  
Press  at the end of the call to open the concerned door electrical lock only.

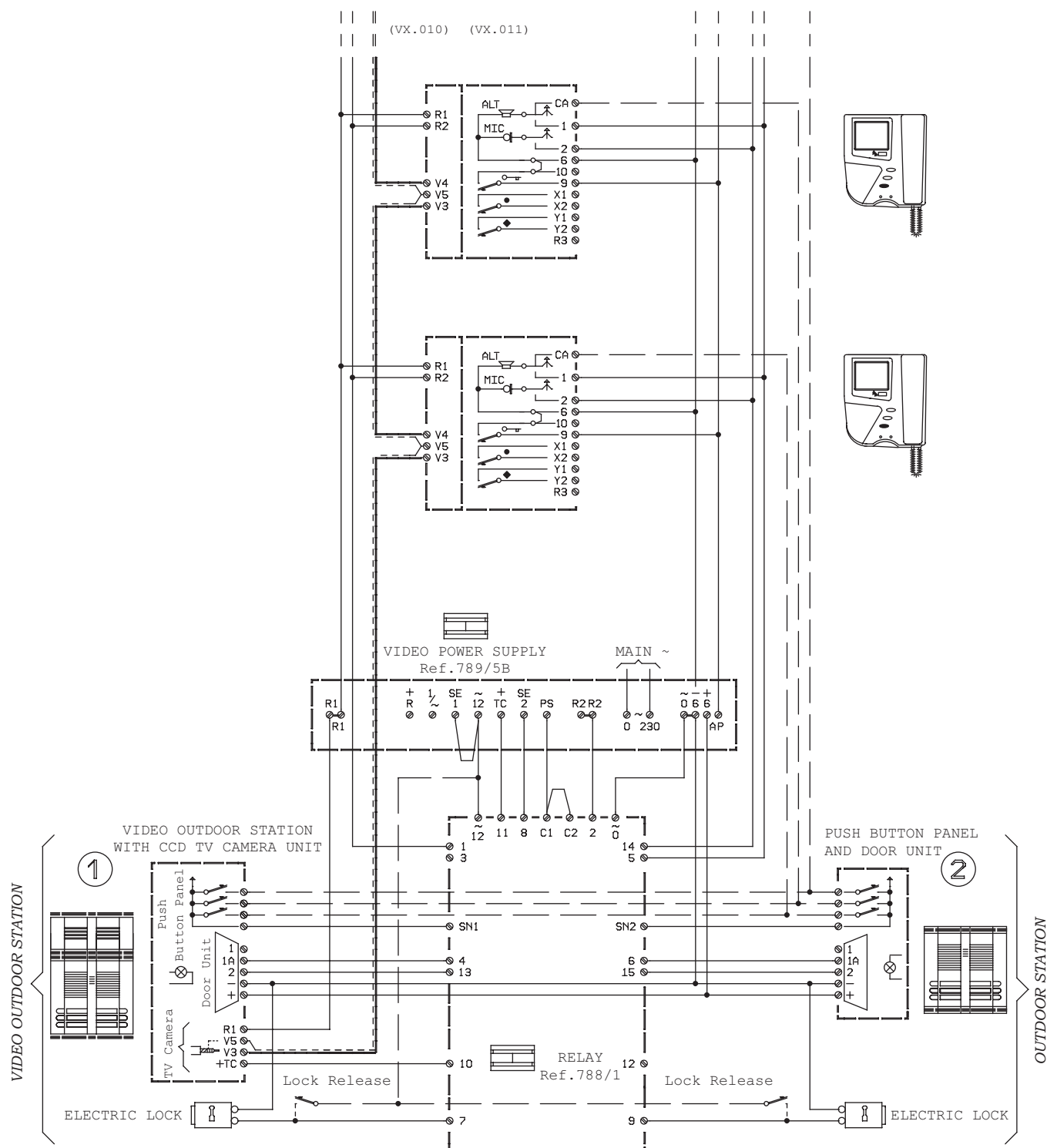
## EQUIPMENT

The following devices are needed for the system illustrated in diagram SV102-1626B:

|                                 |                             | Ref.  | Quantity |
|---------------------------------|-----------------------------|---|----------|
| VIDEO DOOR PHONES               |                             |   |          |
| Video door phone                | Sentry+/Direct vision       | 1704/1A                                       | N        |
|                                 | or<br>Sentry+/Reflex vision | 1704/10A                                      |          |
| Bracket for                     | Sentry+                     | 1704/90                                       | N        |
| Embedding box for wall mounting | Sentry+ direct vision only  | 1704/60                                       | N        |
|                                 | or                          |   |          |
| Kit for table version           | Sentry+ direct vision only  | 1704/50                                       |          |
| or                              |                             |   |          |
| Video door phone                | Winflat+                    | 1202/1A                                       | N        |
| Bracket for                     | Winflat+                    | 1202/90                                       | N        |
| Kit for table version           | Winflat+                    | 1202/92                                       | N        |
| VIDEO OUTDOOR STATION           |                             |   |          |
| Video outdoor station           | Mod. 725                    | see the sec. 2e of technical manual MT101-013 | 1        |
|                                 | or<br>Mod. Kombi            | see the sec. 2d of technical manual MT101-013 |          |
| OUTDOOR STATION                 |                             |   |          |
| Push button panel               | Mod. 725                    | see the sec. 2e of technical manual MT101-013 | 1        |
|                                 | or<br>Mod. Kombi            | see the sec. 2d of technical manual MT101-013 |          |
| Door Unit                       | Mod. 725                    | 5150/500                                      | 1        |
|                                 | or<br>Mod. 825 Kombi        | 824/500                                       |          |
| VARIOUS                         |                             |   |          |
| Video Power Supply              | 230V                        | 789/5B  | 1        |
| Relay                           |                             | 788/1   | 1        |


## DIAGRAM NOTES

(see section 1)  
VX.003  
VX.010  
VX.011



## CONNECTION OF MONITORS TO 4 VIDEO OUTDOOR STATIONS AUTOMATIC SWITCHING IN THE CALL PHASE

### FUNCTION

This system allows the connection of a column of monitors to 4 video outdoor stations with automatic switching. Therefore, it is suitable for a building with 4 entrances common to all apartments. When a visitor presses a call button on one of the two push button panels, in the called apartment the bitonal electronic call is sent to the corresponding monitor loudspeaker and the image appears on the screen after about 7 seconds. During this phase, the relay box automatically inserts the relative loudspeaking unit and TV camera, excluding the other video outdoor station from the service. At this point, the user sees the visitor and may respond, if desired, lifting the handset. At the end of the call, only the electric lock of the entrance concerned is activated pressing the key . If, during a conversation, a call is made from the other push button panel towards another monitor, the first will automatically switch off and the last monitor called will be activated. In this system it is not possible to speak simultaneously from the four outdoor stations because they work one at a time in automatic switching.

### EQUIPMENT

The following devices are needed for the system illustrated in diagram SV102-3078:

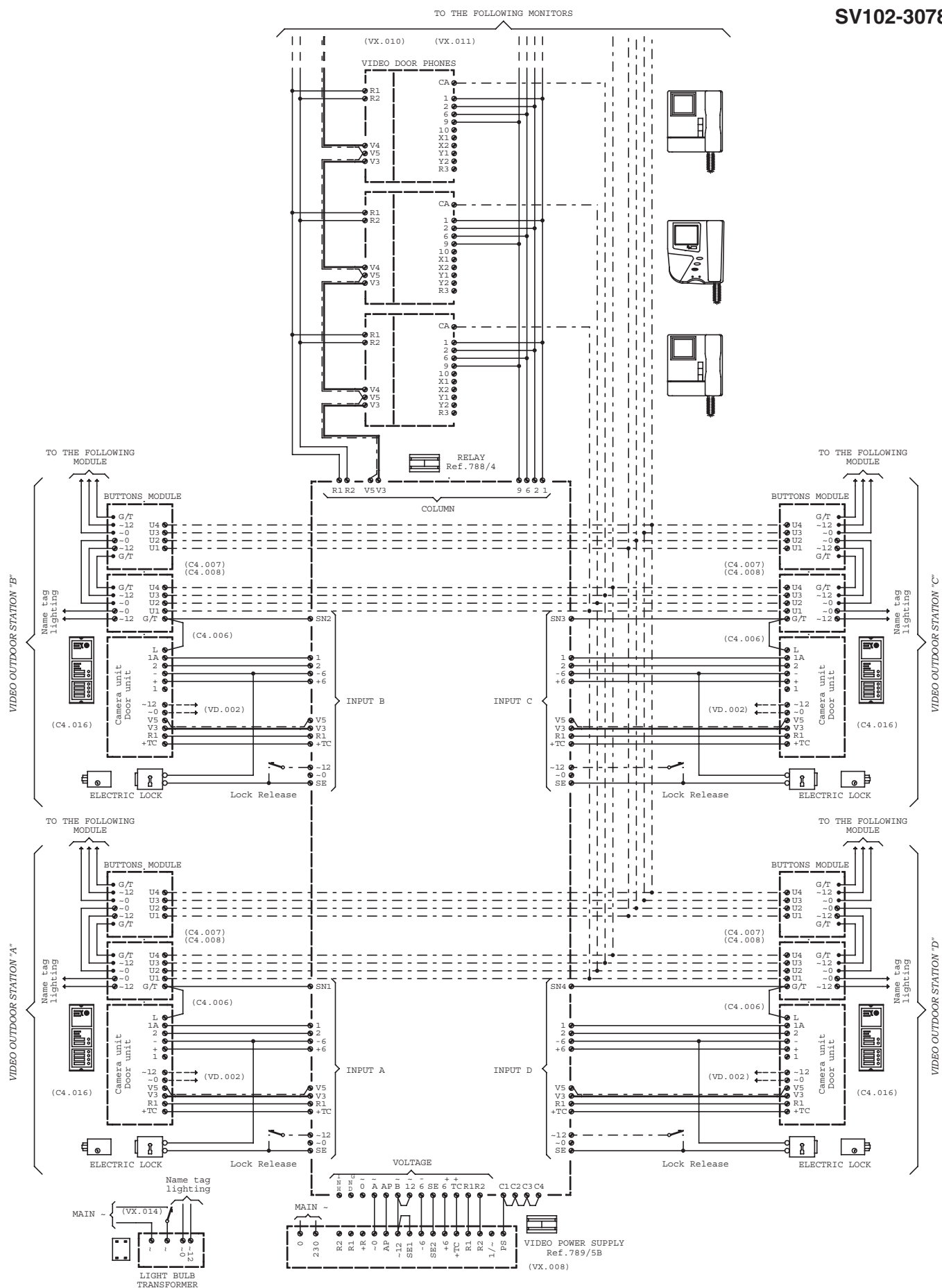
|   |                               | Ref.                | Quantity |
|---|-------------------------------|---------------------|----------|
| VIDEO DOOR PHONES                           |                               |                     |          |
| Video door phone                            | Sentry+/Direct vision         | 1704/1A             | N        |
|   | or<br>Sentry+/Reflex vision   | 1704/10A            |          |
| Bracket for                                 | Sentry+                       | 1704/90             | N        |
| Embedding box<br>for wall mounting          | Sentry+ direct<br>vision only | 1704/60             | N        |
|   | or                            |                     |          |
| Kit<br>for table version                    | Sentry+ direct<br>vision only | 1704/50             |          |
| or  |                               |                     |          |
| Video door phone                            | Winflat+                      | 1202/1A             | N        |
| Bracket for                                 | Winflat+                      | 1202/90             | N        |
| Kit<br>for table version                    | Winflat+                      | 1202/92             | N        |
| VIDEO OUTDOOR STATION                       |                               |                     |          |
| Module with<br>camera unit and<br>door unit | Mod. Sinthesi                 | 1745/80-/81-/82     | 4        |
|   | or<br>Mod. K-Steel            | 1755/80             |          |
| Button<br>modules                           | Mod. Sinthesi                 | 1145/11-/12-/13-/14 | N        |
|   | or<br>Mod. K-Steel            | 1155/11-/12-/13-/14 |          |
| VARIOUS                                     |                               |                     |          |
| Video Power Supply                          | 230V                          | 789/5B              | 1        |
| Relay                                       |                               | 788/4               | 1        |

### DIAGRAM NOTES

(see section 1)  
**C4.006**  
 Sinthesi models only:  
 Connect jumper L with G/T


**C4.007**  
**C4.008**  
**C4.016**  
**VD.002**  
**VX.003**  
**VX.008**  
**VX.010**  
**VX.011**  
**VX.014**





## CONNECTION OF MONITORS TO 3 VIDEO OUTDOOR STATIONS AUTOMATIC SWITCHING IN THE CALL PHASE

### FUNCTION

This system allows the connection of a column of monitors to 3 video outdoor stations with automatic switching. Therefore, it is suitable for a building with 3 entrances common to all apartments. When a visitor presses a call button on one of the two push button panels, in the called apartment the bitonal electronic call is sent to the corresponding monitor loudspeaker and the image appears on the screen after about 7 seconds. During this phase, the relay box automatically inserts the relative loudspeaking unit and TV camera, excluding the other video outdoor station from the service. At this point, the user sees the visitor and may respond, if desired, lifting the handset. At the end of the call, only the electric lock of the entrance concerned is activated pressing the key . If, during a conversation, a call is made from the other push button panel towards another monitor, the first will automatically switch off and the last monitor called will be activated. In this system it is not possible to speak simultaneously from the three outdoor stations because they work one at a time in automatic switching.

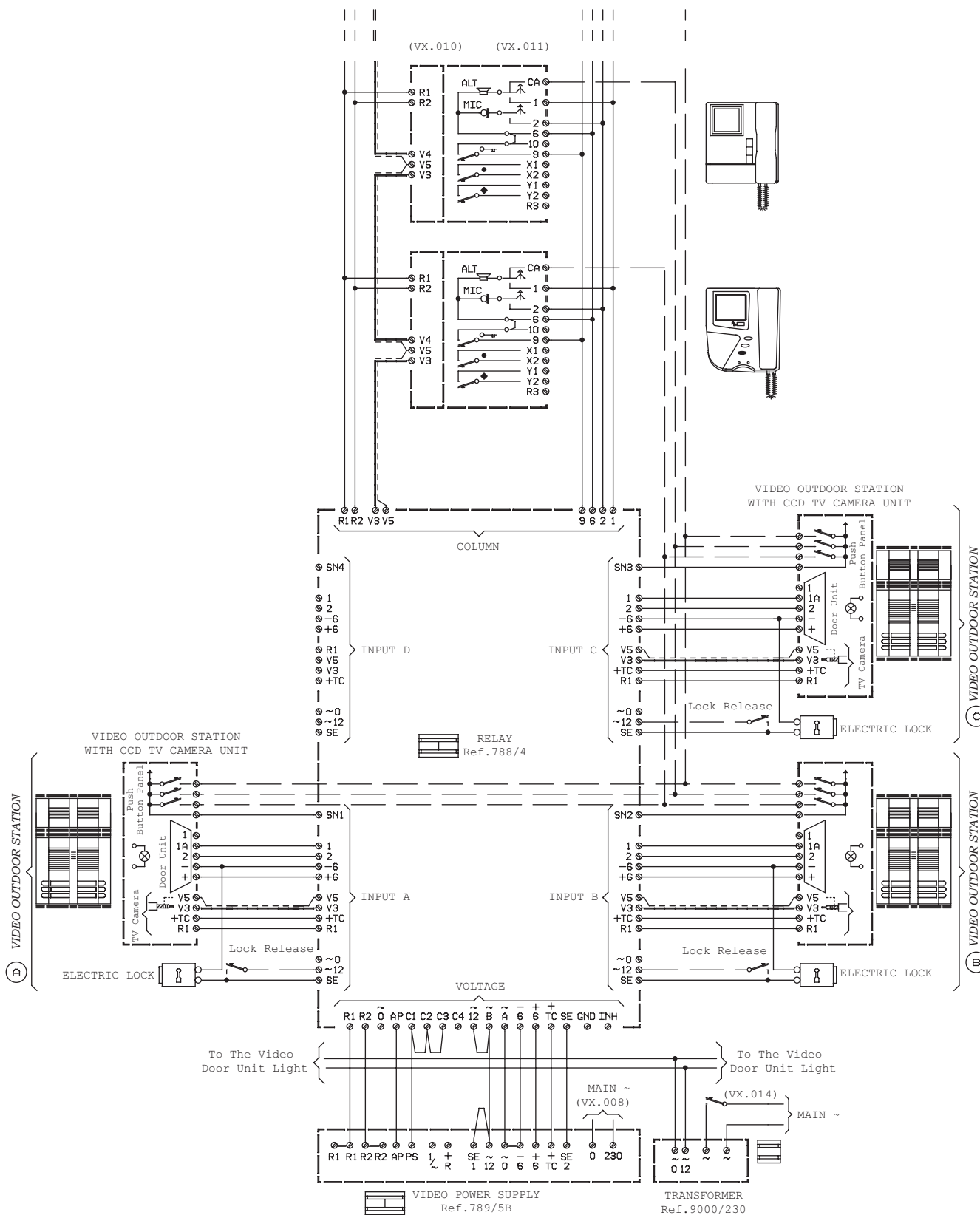
### EQUIPMENT

The following devices are needed for the system illustrated in diagram SV102-1835C:

|   |   | Ref.  | Quantity |
|---|---|---|----------|
| <b>VIDEO DOOR PHONES</b>                  |   |   |          |
| <b>Video door phone</b>                   | <b>Sentry+ / Direct vision</b>              | <b>1704/1A</b>                                | N        |
|   | <i>or</i><br><b>Sentry+ / Reflex vision</b> | <b>1704/10A</b>                               |          |
| <b>Bracket for</b>                        | <b>Sentry+</b>                              | <b>1704/90</b>                                | N        |
| <b>Embedding box for wall mounting</b>    | <b>Sentry+ direct vision only</b>           | <b>1704/60</b>                                | N        |
|   | <i>or</i>                                   |   |          |
| <b>Kit for table version</b>              | <b>Sentry+ direct vision only</b>           | <b>1704/50</b>                                |          |
|   | <i>or</i>                                   |   |          |
| <b>Video door phone</b>                   | <b>Winflat+</b>                             | <b>1202/1A</b>                                | N        |
| <b>Bracket for</b>                        | <b>Winflat+</b>                             | <b>1202/90</b>                                | N        |
| <b>Kit for table version</b>              | <b>Winflat+</b>                             | <b>1202/92</b>                                | N        |
| <b>VIDEO OUTDOOR STATION</b>              |   |   |          |
| <b>Video outdoor station</b>              | <b>Mod. 725</b>                             | see the sec. 2e of technical manual MT101-013 | 3        |
|   | <i>or</i><br><b>Mod. Kombi</b>              | see the sec. 2d of technical manual MT101-013 |          |
| <b>Door Unit</b>                          | <b>Mod. 725</b>                             | <b>5150/500</b>                               | 3        |
|   | <i>or</i><br><b>Mod. Kombi</b>              | <b>824/500</b>                                |          |
| <b>Button modules</b>                     | <b>Mod. Kombi</b>                           | <b>825/201-/202-/203 -/204</b>                | X        |
| <b>VARIOUS</b>                            |   |   |          |
| <b>Video Power Supply</b>                 | <b>230V</b>                                 | <b>789/5</b>                                  | 1        |
| <b>Relay</b>                              |   | <b>788/4</b>                                  | 1        |
| <b>Panel light bulb power transformer</b> |   | <b>9000/230</b>                               | 1        |

### DIAGRAM NOTES

(see section 1)  
VX.003  
VX.008  
VX.010  
VX.011  
VX.014



## CONNECTION OF SEVERAL MONITOR GROUPS TO A COMMON VIDEO OUTDOOR STATION

Each group is connected to a proper secondary video outdoor station  
Mod. SINTHESI or Mod. K-STEEL



### FUNCTION

This system is particularly suitable for residential properties where it is necessary to connect the single villas to a proper video outdoor station and to a common one located at the main entry.

During calling the monitor is automatically switched on the main video outdoor station or to the secondary one of its own group, by means of the switching relay. The services for secondary video outdoor stations are independent, so that they be realized simultaneously. When the call is coming from the main video outdoor station, only the group of the called monitor is switched on it, the other ones continue to service towards the secondary.

### EQUIPMENT

The following devices are needed for the system illustrated in diagram SV102-3079:

|                                       |                              | Ref.                | Quantity   |
|---------------------------------------|------------------------------|---------------------|------------|
| VIDEO DOOR PHONES                     |                              |                     |            |
| Video door phone                      | Sentry+ /Direct vision       | 1704/1A             | N          |
|                                       | or<br>Sentry+ /Reflex vision | 1704/10A            |            |
| Bracket for                           | Sentry+                      | 1704/90             | N          |
| Embedding box<br>for wall mounting    | Sentry+ direct vision only   | 1704/60             | N          |
|                                       | or                           |                     |            |
| Kit<br>for table version              | Sentry+ direct vision only   | 1704/50             |            |
| or                                    |                              |                     |            |
| Video door phone                      | Winflat+                     | 1202/1A             | N          |
| Bracket for                           | Winflat+                     | 1202/90             | N          |
| Kit<br>for table version              | Winflat+                     | 1202/92             | N          |
| VIDEO OUTDOOR STATION                 |                              |                     |            |
| Module with camera unit and door unit | Mod. Sinthesi                | 1745/20-/21-/22     | K+1        |
|                                       | or<br>Mod. K-Steel           | 1755/20             |            |
| Button modules                        | Mod. Sinthesi                | 1145/11-/12-/13-/14 | X          |
|                                       | or<br>Mod. K-Steel           | 1155/11-/12-/13-/14 |            |
| VARIOUS                               |                              |                     |            |
| Video Power Supply                    | 230V                         | 789/5B              | 1          |
| Relay                                 |                              | 788/1               | K          |
| Video Distributor                     |                              | 1794/4              | at least 1 |

**K** = number of secondary entrances

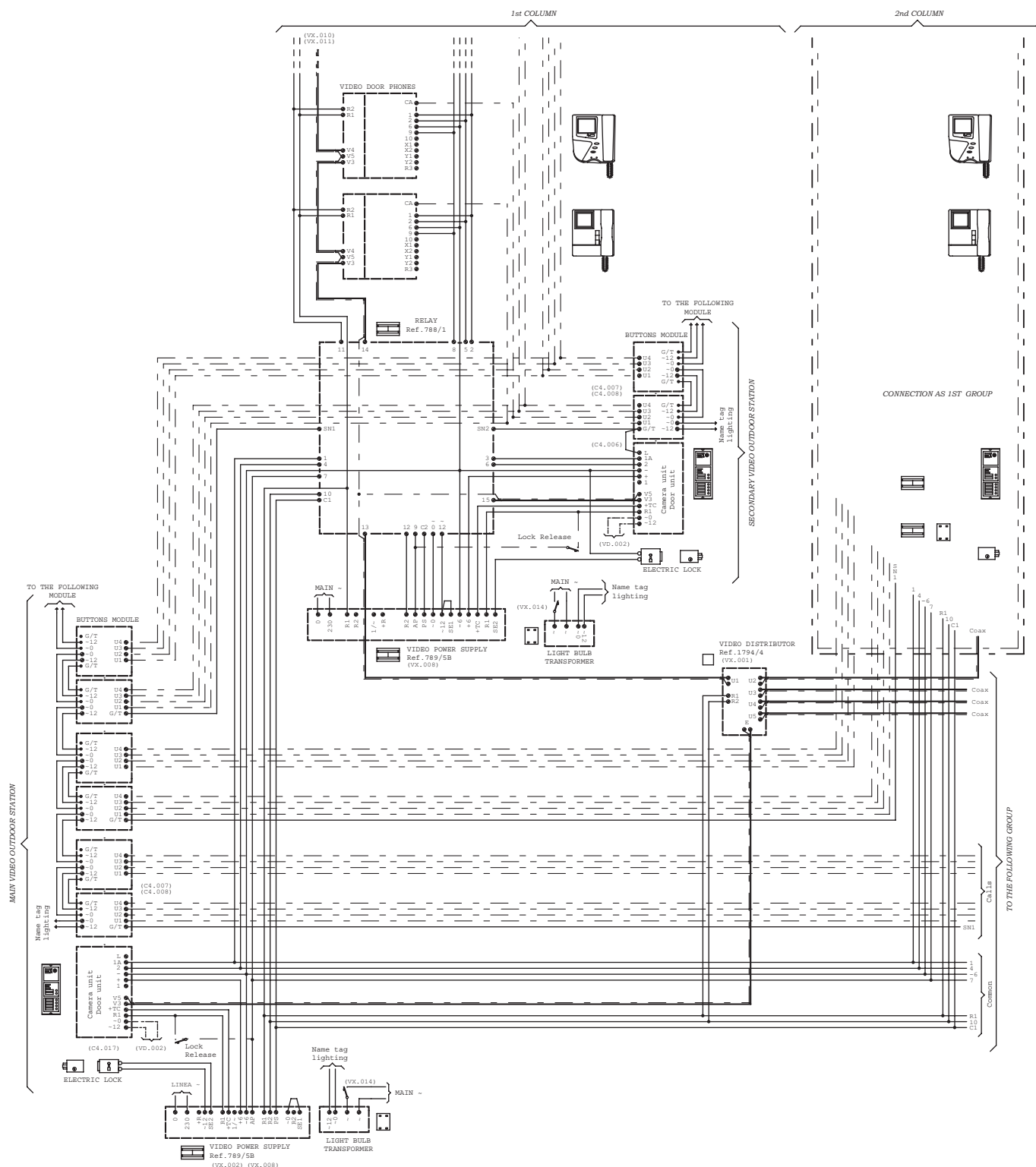
### DIAGRAM NOTES

(see section 1)  
**C4.006**  
 Sinthesi models only:  
 Connect jumper L with G/T

**C4.007**  
**C4.008**  
**C4.017**  
**VD.002**  
**VX.001**  
**VX.002**  
**VX.003**  
**VX.008**  
**VX.010**  
**VX.011**  
**VX.014**

# CONNECTION OF SEVERAL MONITOR GROUPS TO A COMMON VIDEO OUTDOOR STATION Each group is connected to a proper secondary video outdoor station Mod. SINTHESI or Mod. K-STEEL

SV102-3079



## CONNECTION OF SEVERAL MONITOR GROUPS TO A COMMON VIDEO OUTDOOR STATION

Each group is connected to a proper secondary video outdoor station  
Mod. 725 or Mod. KOMBI



### FUNCTION

This system is particularly suitable for residential properties where it is necessary to connect the single villas to a proper video outdoor station and to a common one located at the main entry.

During calling the monitor is automatically switched on the main video outdoor station or to the secondary one of its own group, by means of the switching relay. The services for secondary video outdoor stations are independent, so that they be realized simultaneously. When the call is coming from the main video outdoor station, only the group of the called monitor is switched on it, the other ones continue to service towards the secondary.

### EQUIPMENT

The following devices are needed for the system illustrated in diagram SV102-1686E:

|                                    |                               | Ref.  | Quantity   |
|------------------------------------|-------------------------------|---|------------|
| VIDEO DOOR PHONES                  |                               |   |            |
| Video door phone                   | Sentry+/Direct vision         | 1704/1A   | N          |
|                                    | or<br>Sentry+/Reflex vision   | 1704/10A  |            |
| Bracket for                        | Sentry+                       | 1704/90   | N          |
| Embedding box<br>for wall mounting | Sentry+ direct<br>vision only | 1704/60   | N          |
|                                    | or                            |   |            |
| Kit<br>for table version           | Sentry+ direct<br>vision only | 1704/50   |            |
| or                                 |                               |   |            |
| Video door phone                   | Winflat+                      | 1202/1A   | N          |
| Bracket for                        | Winflat+                      | 1202/90   | N          |
| Kit<br>for table version           | Winflat+                      | 1202/92   | N          |
| VIDEO OUTDOOR STATION              |                               |   |            |
| Video<br>outdoor station           | Mod. 725                      | see the sec. 2e<br>of technical manual<br>MT101-013 | K+1        |
|                                    | or<br>Mod. Kombi              | see the sec. 2d<br>of technical manual<br>MT101-013 |            |
| Door Unit                          | Mod. 725                      | 5150/500  | K+1        |
|                                    | or<br>Mod. Kombi              | 824/500   |            |
| VARIOUS                            |                               |   |            |
| Video Power Supply                 | 230V                          | 789/5B  | 1          |
| Relay                              |                               | 788/1   | K          |
| Video Distributor                  |                               | 1794/4  | at least 1 |

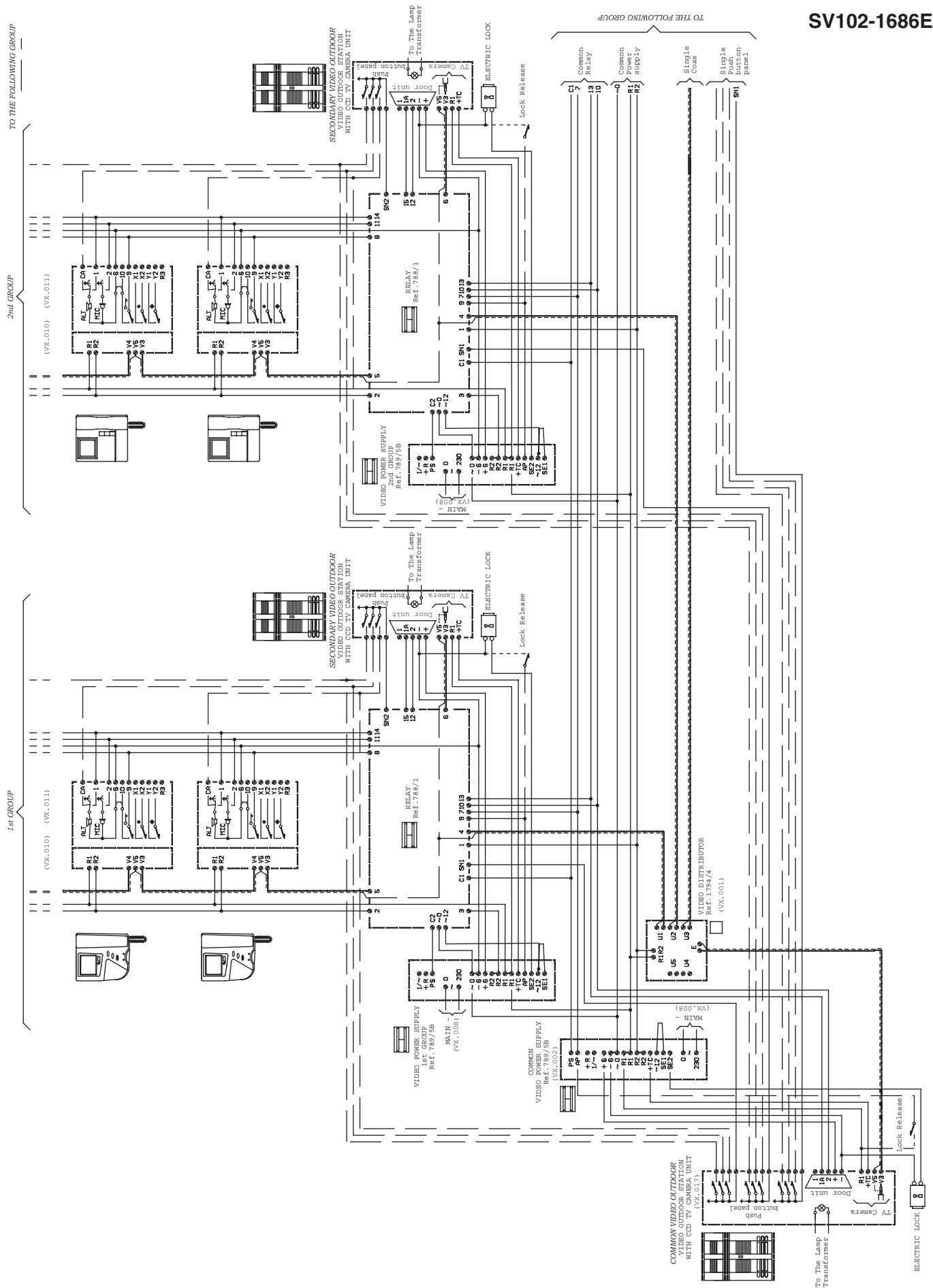
**K** = number of secondary entrances

### DIAGRAM NOTES

(see section 1)

VX.001  
VX.002  
VX.003  
VX.008  
VX.010  
VX.011  
VX.017

# CONNECTION OF SEVERAL MONITOR GROUPS TO A COMMON VIDEO OUTDOOR STATION Each group is connected to a proper secondary video outdoor station Mod. 725 or Mod. KOMBI



SV102-1686E

# CONNECTION OF SEVERAL MONITOR GROUPS TO 1 COMMON VIDEO OUTDOOR STATION

Each group is also connected to its own secondary outdoor station without video  
Mod. SINTHESI or Mod. K-STEEL



## FUNCTION

This system is particularly suitable for residential properties where it is necessary to connect the single villas to an own video outdoor station and to a common one located at the main entry.

During calling the interested monitor is automatically switched on the main video outdoor station or to the secondary one of its own group, by means of the switching relay. The services for secondary outdoor stations are independent, so that they can be realized simultaneously. When the call is coming from the main video outdoor station, only the group of the called monitor is switched on it, the other ones continue to service the secondary.

## EQUIPMENT

The following devices are needed for the system illustrated in diagram SV102-2935B:

|   |                               | Ref.                | Quantity |
|---|-------------------------------|---------------------|----------|
| VIDEO DOOR PHONES                           |                               |                     |          |
| Video door phone                            | Sentry+/Direct vision         | 1704/1A             | N        |
|   | or<br>Sentry+/Reflex vision   | 1704/10A            |          |
| Bracket for                                 | Sentry+                       | 1704/90             | N        |
| Embedding box<br>for wall mounting          | Sentry+ direct<br>vision only | 1704/60             | N        |
|   | or                            |                     |          |
| Kit<br>for table version                    | Sentry+ direct<br>vision only | 1704/50             |          |
| or  |                               |                     |          |
| Video door phone                            | Winflat+                      | 1202/1A             | N        |
| Bracket for                                 | Winflat+                      | 1202/90             | N        |
| Kit<br>for table version                    | Winflat+                      | 1202/92             | N        |
| VIDEO OUTDOOR STATION                       |                               |                     |          |
| Module with<br>camera unit and<br>door unit | Mod. Sinthesi                 | 1745/80-/81-/82     | 1        |
|   | or<br>Mod. K-Steel            | 1755/80             |          |
| Button<br>modules                           | Mod. Sinthesi                 | 1145/11-/12-/13-/14 | X        |
|   | or<br>Mod. K-Steel            | 1155/11-/12-/13-/14 |          |
| OUTDOOR STATION                             |                               |                     |          |
| Door Unit Modules                           | Mod. Sinthesi                 | 1145/20 -/21 -/22   | K        |
|   | or<br>Mod. K-Steel            | 1155/20 -/21 -/22   |          |
| Door Unit                                   | Mod. Sinthesi                 | 1145/500            | 1        |
| Button<br>modules                           | Mod. Sinthesi                 | 1145/11-/12-/13-/14 | X        |
|   | or<br>Mod. K-Steel            | 1155/11-/12-/13-/14 |          |
| VARIOUS                                     |                               |                     |          |
| Video Power Supply                          | 230V                          | 789/5B              | 1        |
| Door phone power unit                       |                               | 786/1A              | K        |
| Relay                                       |                               | 788/1               | K        |
| Relay                                       |                               | 788/21              | K        |
| Video Distributor                           |                               | 1794/4              | 1        |

K = number of secondary entrances

## DIAGRAM NOTES

(see section 1)

C4.006

Sinthesi models only:

Connect jumper L with G/T

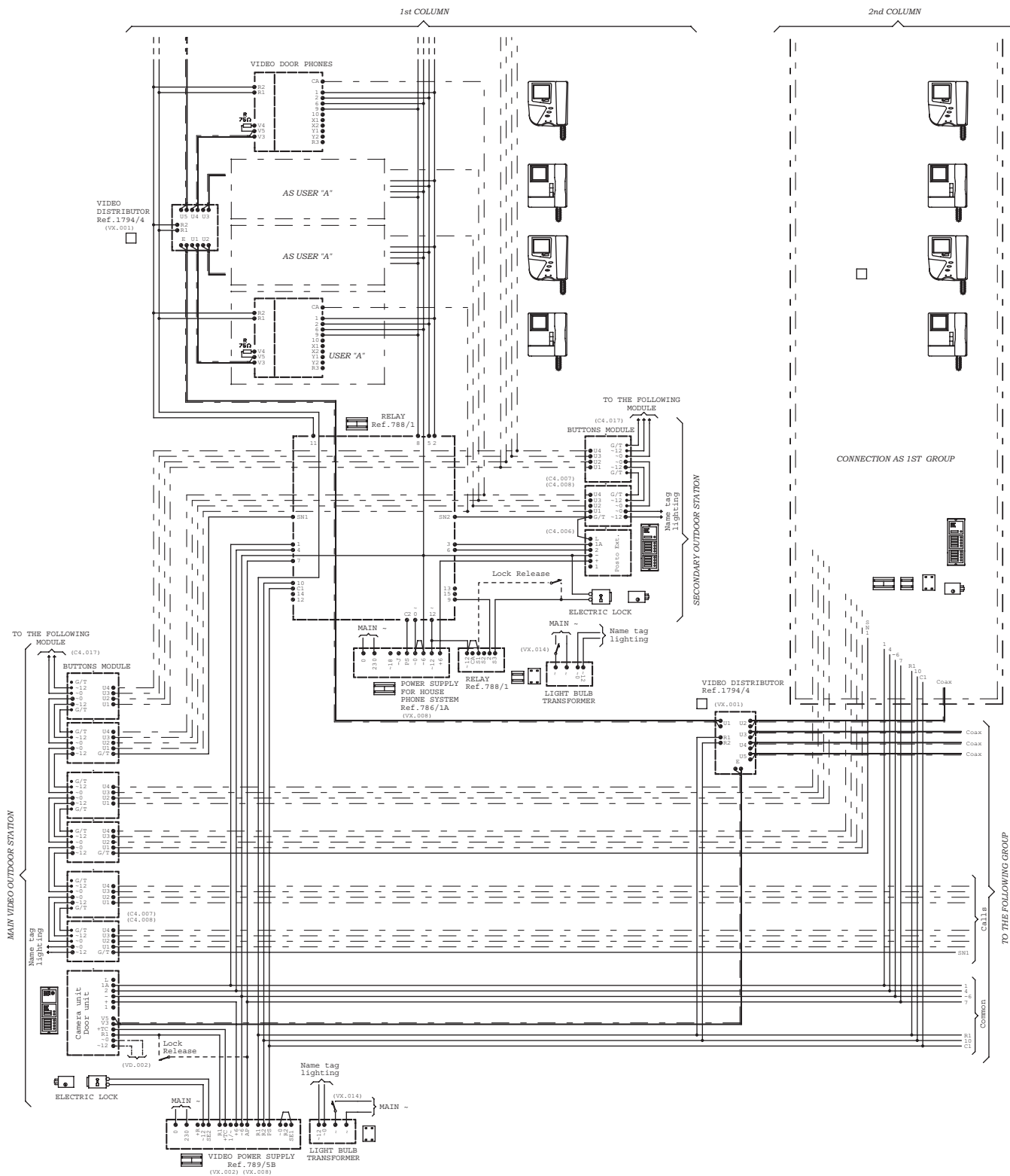
|        |        |        |        |        |
|--------|--------|--------|--------|--------|
| C4.007 | C4.008 | C4.017 | VD.002 | VX.001 |
| VX.002 | VX.003 | VX.008 | VX.014 |        |



# CONNECTION OF SEVERAL MONITOR GROUPS TO 1 COMMON VIDEO OUTDOOR STATION

Each group is also connected to its own secondary outdoor station without video  
Mod. SINTHESI or Mod. K-STEEL

SV102-2935B



## CONNECTION OF SEVERAL MONITOR GROUPS TO 1 COMMON VIDEO OUTDOOR STATION

Each group is also connected to its own secondary outdoor station without video  
Mod. 725 or Mod. KOMBI



### FUNCTION

This system is particularly suitable for residential properties where it is necessary to connect the single villas to an own video outdoor station and to a common one located at the main entry.

During calling the interested monitor is automatically switched on the main video outdoor station or to the secondary one of its own group, by means of the switching relay. The services for secondary outdoor stations are independent, so that they can be realized simultaneously. When the call is coming from the main video outdoor station, only the group of the called monitor is switched on it, the other ones continue to service the secondary.

### EQUIPMENT

The following devices are needed for the system illustrated in diagram SV102-1685E:

|                                 |                             | Ref.  | Quantity |
|---------------------------------|-----------------------------|---|----------|
| VIDEO DOOR PHONES               |                             |   |          |
| Video door phone                | Sentry+/Direct vision       | 1704/1A                                       | N        |
|                                 | or<br>Sentry+/Reflex vision | 1704/10A                                      |          |
| Bracket for                     | Sentry+                     | 1704/90                                       | N        |
| Embedding box for wall mounting | Sentry+ direct vision only  | 1704/60                                       | N        |
|                                 | or                          |   |          |
| Kit for table version           | Sentry+ direct vision only  | 1704/50                                       |          |
| or                              |                             |   |          |
| Video door phone                | Winflat+                    | 1202/1A                                       | N        |
| Bracket for                     | Winflat+                    | 1202/90                                       | N        |
| Kit for table version           | Winflat+                    | 1202/92                                       | N        |
| VIDEO OUTDOOR STATION           |                             |   |          |
| Video outdoor station           | Mod. 725                    | see the sec. 2e of technical manual MT101-013 | 1        |
|                                 | or<br>Mod. Kombi            | see the sec. 2d of technical manual MT101-013 |          |
| OUTDOOR STATION                 |                             |   |          |
| Push button panel               | Mod. 725                    | see the sec. 2e of technical manual MT101-013 | K        |
|                                 | or<br>Mod. Kombi            | see the sec. 2d of technical manual MT101-013 |          |
| Door Unit                       | Mod. 725                    | 5150/500                                      | K+1      |
|                                 | or<br>Mod. 825 Kombi        | 824/500                                       |          |
| VARIOUS                         |                             |   |          |
| Video Power Supply              | 230V                        | 789/5B  | 1        |
| Door phone power unit           |                             | 786/1A  | K        |
| Relay                           |                             | 788/1   | K        |
| Relay                           |                             | 788/21  | K        |
| Video Distributor               |                             | 1794/4  | 1        |

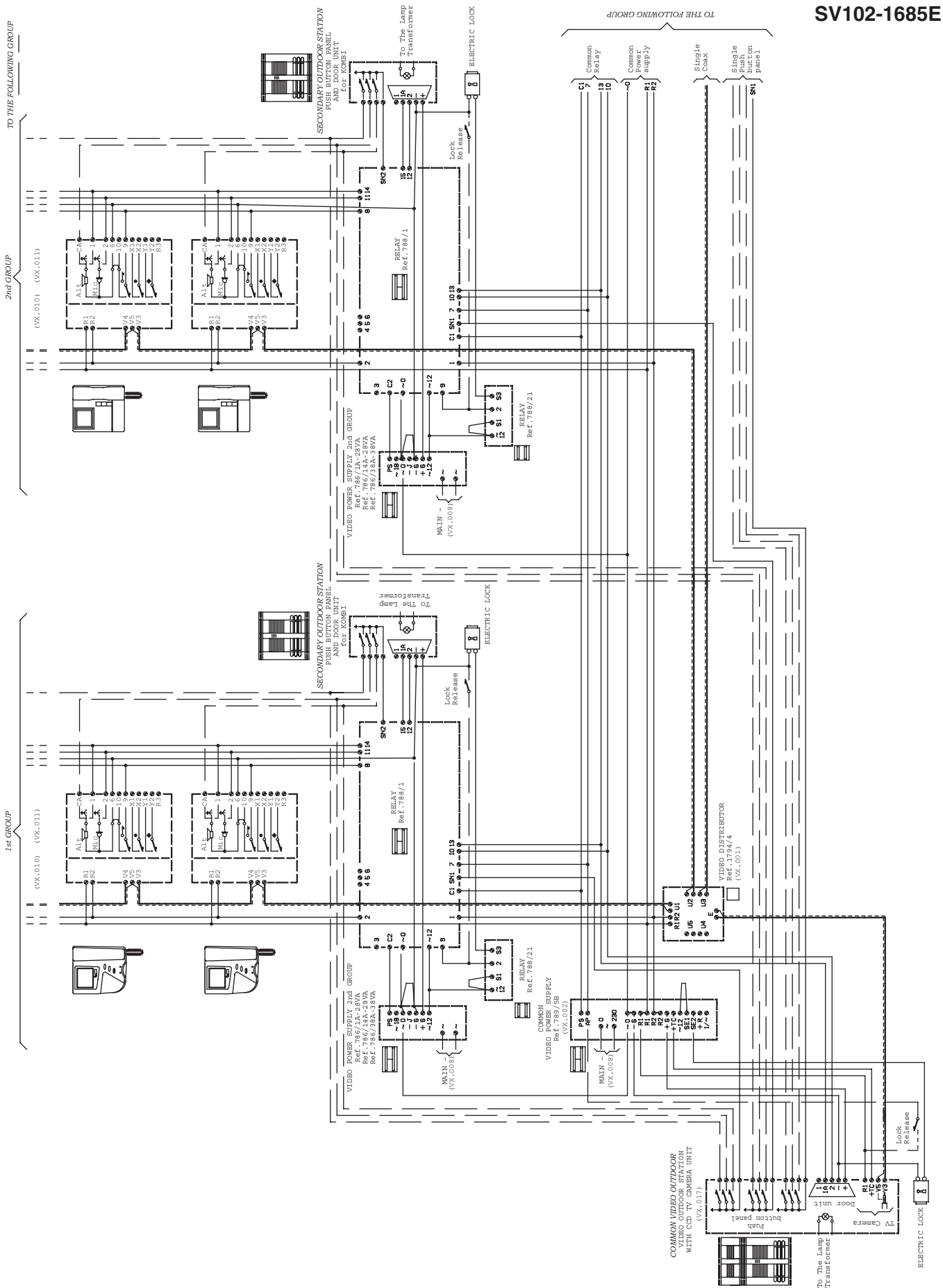
K = number of secondary entrances

### DIAGRAM NOTES

(see section 1)  
 VX.001    VX.002    VX.003  
 VX.008    VX.010  
 VX.011    VX.017

# CONNECTION OF SEVERAL MONITOR GROUPS TO 1 COMMON VIDEO OUTDOOR STATION

Each group is also connected to its own secondary outdoor station without video  
Mod. 725 or Mod. KOMBI



SV102-1685E



# CONNECTION OF 3 MONITORS TO 1 VIDEO OUTDOOR STATION WITH INTERCOM SERVICE SINGLE CALL FROM OUTSIDE WITH CONCURRENT POWER-ON


## FUNCTION

This system is particularly suited for detached houses where the monitors provide the intercom service and can also be called at the same time in parallel by the video outdoor station. Switching from one service to another is automatic and is assured during the call phase by a relay device.

When the intercom service is activated, listening to the conversation from the loudspeaking unit of the video outdoor station is excluded. If a call is made from the video outdoor station during an intercom conversation, all the monitors are automatically switched to the outside.

Extra buzzers are used for intercom calls; for external calls from the video outdoor station, the two-tone electronic call is sent to the loudspeaker of the handset of the monitor concerned.

The  and  service keys are used for intercom calls.

When the monitors are called in parallel by the video outdoor station, they switch on at the same time. At the end of the conversation, the electric lock is released pressing the key .

Viewing lasts approximately 60 seconds, after which it is interrupted automatically following tripping of the timer incorporate in the power supply.

## EQUIPMENT

The following devices are needed for the system illustrated in diagram SV102-2970B:

|   |                                | Ref.  | Quantity |
|---|--------------------------------|---|----------|
| VIDEO DOOR PHONES                         |                                |   |          |
| Video door phone                          | Sentry+/Direct vision          | 1704/1A   | 3        |
|   | or<br>Sentry+/Reflex vision    | 1704/10A  |          |
| Bracket for                               | Sentry+                        | 1704/90   | 3        |
| Embedding box<br>for wall mounting        | Sentry+ direct<br>vision only  | 1704/60   | 3        |
|   | or<br>Kit<br>for table version | Sentry+ direct<br>vision only                       |          |
| or  |                                |   |          |
| Video door phone                          | Winflat+                       | 1202/1A   | 3        |
| Bracket for                               | Winflat+                       | 1202/90   | 3        |
| Kit<br>for table version                  | Winflat+                       | 1202/92   | 3        |
| VIDEO OUTDOOR STATION                     |                                |   |          |
| Video<br>outdoor station<br>with 1 button | Mod. 725                       | see the sec. 2e<br>of technical manual<br>MT101-013 | 1        |
|   | or<br>Mod. Kombi               | see the sec. 2d<br>of technical manual<br>MT101-013 |          |
| Door Unit                                 | Mod. 725                       | 5150/500  | 1        |
|   | or<br>Mod. Kombi               | 824/500   |          |
| VARIOUS                                   |                                |   |          |
| Video Power Supply                        | 230V                           | 789/5B  | 1        |
| Local Power supply                        |                                | 789/3   | 1        |
| Impedance generator                       |                                | 789/51  | 1        |
| Video Distributor                         |                                | 1794/4  | 1        |
| Extra Buzzer                              |                                | 9854/52   | 3        |
| Kit of 10 diodes                          |                                | 1131/4  | 1        |

## DIAGRAM NOTES

(see section 1)

C4.014

VX.003

VX.006

VX.007

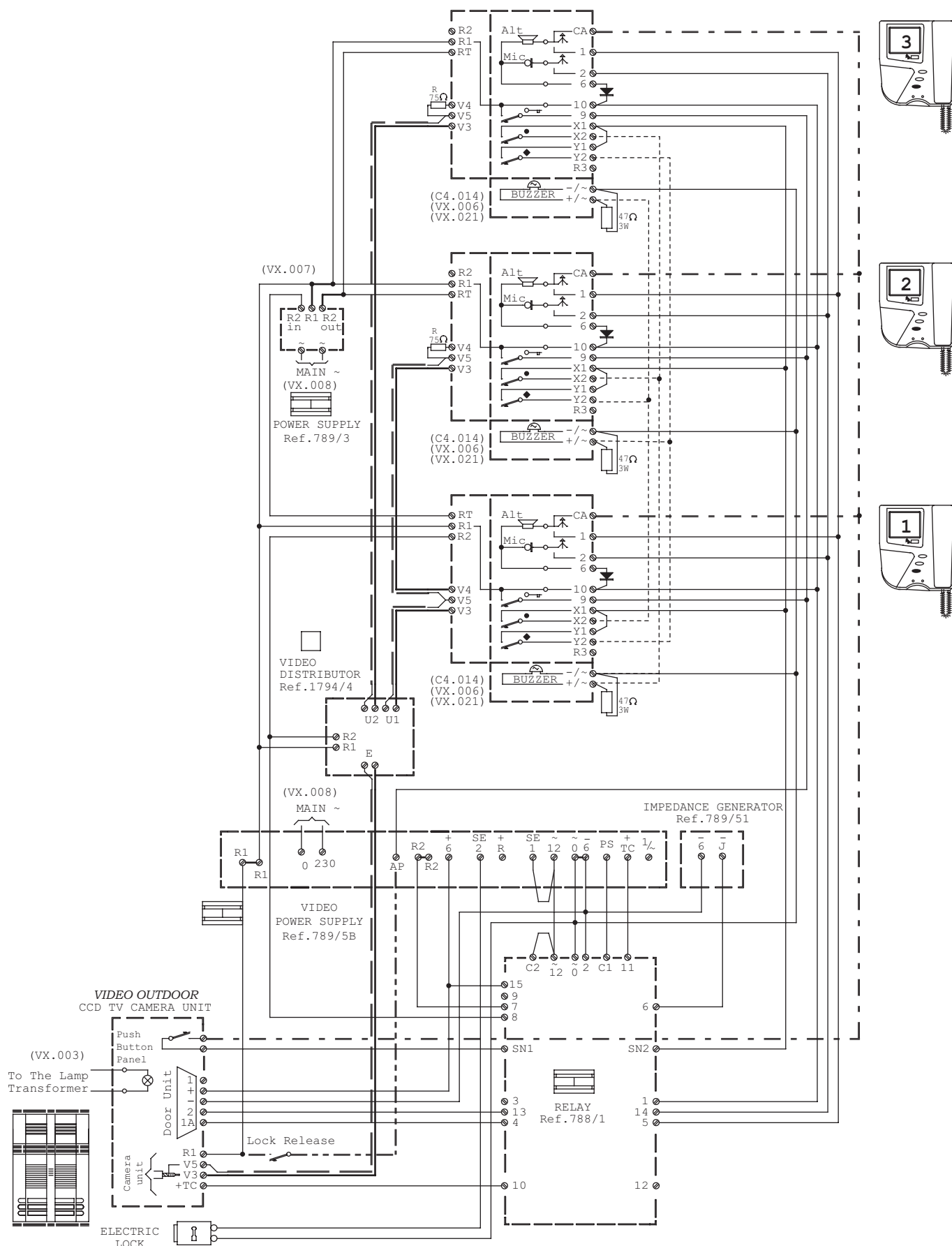
VX.008

VX.021

Cut or remove the jumpers on the device(s): 6 – 10.

**CONNECTION OF 3 MONITORS TO 1 VIDEO OUTDOOR STATION  
WITH INTERCOM SERVICE  
SINGLE CALL FROM OUTSIDE WITH CONCURRENT POWER-ON**

SV102-2970B



## CONNECTION OF UP TO 9 MONITORS TO 1 VIDEO OUTDOOR STATION WITH INTERCOM SERVICE SINGLE CALL FROM THE OUTSIDE WITH CONCURRENT POWER-ON



### FUNCTION


This system is particularly suited for detached houses where the monitors provide the intercom service and can also be called at the same time in parallel by the video outdoor station.

Switching from one service to another is automatic and is assured during the call phase by a relay device.

When the intercom service is activate, listening to the conversation from the loudspeaking unit of the video outdoor station is excluded.

If a call is made from the video outdoor station during an intercom conversation, all the monitors are automatically switched to the outside.

Extra buzzers are used for external calls from the video outdoor station; for intercom calls, the two-tone electronic call is sent to the loudspeaker of the handset of the monitor concerned.

When the monitors are called in parallel by the video outdoor station, they switch on at the same time. At the end of the conversation, the electric lock is released pressing the key .

Viewing lasts approximately 60 seconds, after which it is interrupted automatically following tripping of the timer incorporate in the power supply.

### EQUIPMENT

The following devices are needed for the system illustrated in diagram SV102-2972A:

|                              |                 | Ref.           | Quantity |
|------------------------------|-----------------|----------------|----------|
| <b>VIDEO DOOR PHONES</b>     |                 |                |          |
| <b>Video door phone</b>      | <b>Winflat+</b> | <b>1202/1A</b> | <b>9</b> |
| <b>Bracket for</b>           | <b>Winflat+</b> | <b>1202/90</b> | <b>9</b> |
| <b>Kit for table version</b> | <b>Winflat+</b> | <b>1202/93</b> | <b>9</b> |
| <b>8 Button add-on</b>       | <b>Winflat+</b> | <b>1202/88</b> | <b>9</b> |

### VIDEO OUTDOOR STATION

|  |                                |   |          |
|--|--------------------------------|---|----------|
| <b>Video outdoor station with 1 button</b> | <b>Mod. 725</b>                | see the sec. 2e of technical manual MT101-013 | <b>1</b> |
|  | <i>or</i><br><b>Mod. Kombi</b> | see the sec. 2d of technical manual MT101-013 |          |
| <b>Door Unit</b>                           | <b>Mod. 725</b>                | <b>5150/500</b>                               | <b>1</b> |
|  | <i>or</i><br><b>Mod. Kombi</b> | <b>824/500</b>                                |          |

### VARIOUS

|                            |             |                |          |
|----------------------------|-------------|----------------|----------|
| <b>Video Power Supply</b>  | <b>230V</b> | <b>789/5B</b>  | <b>1</b> |
| <b>Local Power supply</b>  |             | <b>789/2</b>   | <b>1</b> |
| <b>Local Power supply</b>  |             | <b>789/3</b>   | <b>2</b> |
| <b>Impedance generator</b> |             | <b>789/51</b>  | <b>1</b> |
| <b>Relay</b>               |             | <b>788/1</b>   | <b>1</b> |
| <b>Relay</b>               |             | <b>788/21</b>  | <b>1</b> |
| <b>Video Distributor</b>   |             | <b>1794/4</b>  | <b>1</b> |
| <b>Extra Buzzer</b>        |             | <b>9854/52</b> | <b>9</b> |
| <b>Kit of 10 diodes</b>    |             | <b>1131/4</b>  | <b>1</b> |

### DIAGRAM NOTES

(see section 1)

C4.014

VX.001

VX.003

VX.006

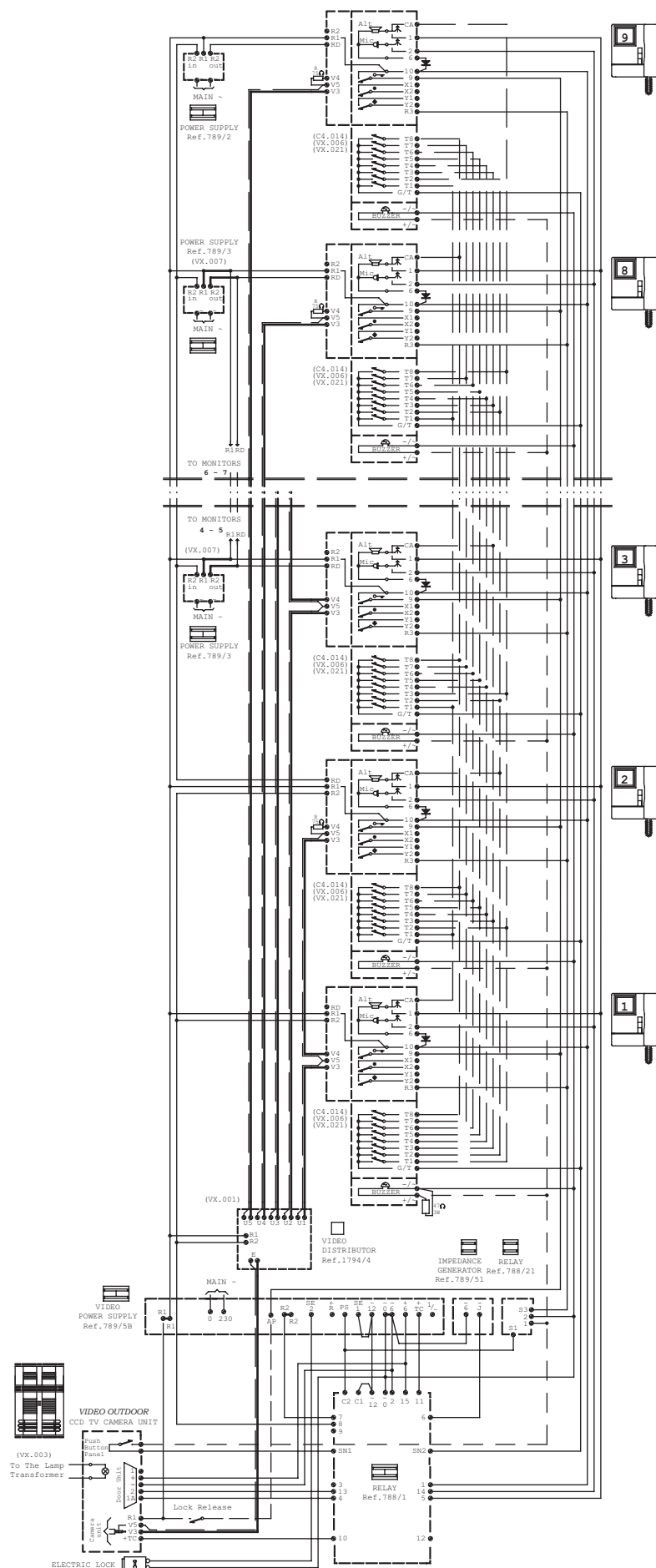
VX.007

VX.021

Cut or remove the jumpers on the device(s): 6 – 10.

**CONNECTION OF UP TO 9 MONITORS TO 1 VIDEO OUTDOOR STATION WITH  
INTERCOM SERVICE  
SINGLE CALL FROM THE OUTSIDE WITH CONCURRENT POWER-ON**

**SV102-2972A**




**CONNECTION OF 3 MONITORS TO 2 VIDEO OUTDOOR STATIONS  
THE MONITORS PERFORM THE INTERCOM SERVICE  
THE VIDEO OUTDOOR STATIONS CALL THE MONITORS IN PARALLEL WITH  
CONCURRENT POWER-ON**

## FUNCTION

The 3 monitors perform the intercom service and can be called at the same time in parallel by one of the two video outdoor stations. Switching to the three services is automatic and is assured during the call phase by a relay device.

When the intercom service is activated, listening to the conversation from the loudspeaking units of the video outdoor stations is excluded. If a call is made from the one of the two video outdoor stations during an intercom conversation, all the monitors are automatically switched to the entrance from which the call has been sent. Therefore, concurrent communication with the 2 video outdoor stations is not possible in that either one or the other of these operates alternatively, in mutual exclusion.

Extra buzzers are used for the intercom calls while for those of the video outdoor stations, the two-tone electronic call is sent to the loudspeaker of the handset of the monitor concerned.

When the monitors are called in parallel by the one of the two video outdoor stations, they switch on at the same time. At the end of the conversation, only the electric lock of the entrance concerned is released pressing the key .

Viewing lasts approximately 60 seconds, after which it is interrupted automatically following tripping of the timer incorporate in the power supply.

## EQUIPMENT

The following devices are needed for the system illustrated in diagram SV102-2133F:

|                              |                 | Ref.           | Quantity |
|------------------------------|-----------------|----------------|----------|
| <b>VIDEO DOOR PHONES</b>     |                 |                |          |
| <b>Video door phone</b>      | <b>Winflat+</b> | <b>1202/1A</b> | <b>3</b> |
| <b>Bracket for</b>           | <b>Winflat+</b> | <b>1202/90</b> | <b>3</b> |
| <b>Kit for table version</b> | <b>Winflat+</b> | <b>1202/92</b> | <b>3</b> |

## VIDEO OUTDOOR STATION

|                              |                                |   |          |
|------------------------------|--------------------------------|---|----------|
| <b>Video outdoor station</b> | <b>Mod. 725</b>                | see the sec. 2e of technical manual MT101-013 | <b>2</b> |
|                              | <i>or</i><br><b>Mod. Kombi</b> | see the sec. 2d of technical manual MT101-013 |          |
| <b>Door Unit</b>             | <b>Mod. 725</b>                | <b>5150/500</b>                               | <b>2</b> |
|                              | <i>or</i><br><b>Mod. Kombi</b> | <b>824/500</b>                                |          |

## VARIOUS

|                              |             |                |          |
|------------------------------|-------------|----------------|----------|
| <b>Video Power Supply</b>    | <b>230V</b> | <b>789/5B</b>  | <b>1</b> |
| <b>Local Power supply</b>    |             | <b>789/2</b>   | <b>1</b> |
| <b>Door phone power unit</b> |             | <b>786/1A</b>  | <b>1</b> |
| <b>Relay</b>                 |             | <b>788/4</b>   | <b>1</b> |
| <b>Video Distributor</b>     |             | <b>1794/4</b>  | <b>1</b> |
| <b>Extra Buzzer</b>          |             | <b>9854/52</b> | <b>3</b> |
| <b>Kit of 10 diodes</b>      |             | <b>1131/4</b>  | <b>1</b> |

## DIAGRAM NOTES

(see section 1)

C4.014

VX.003

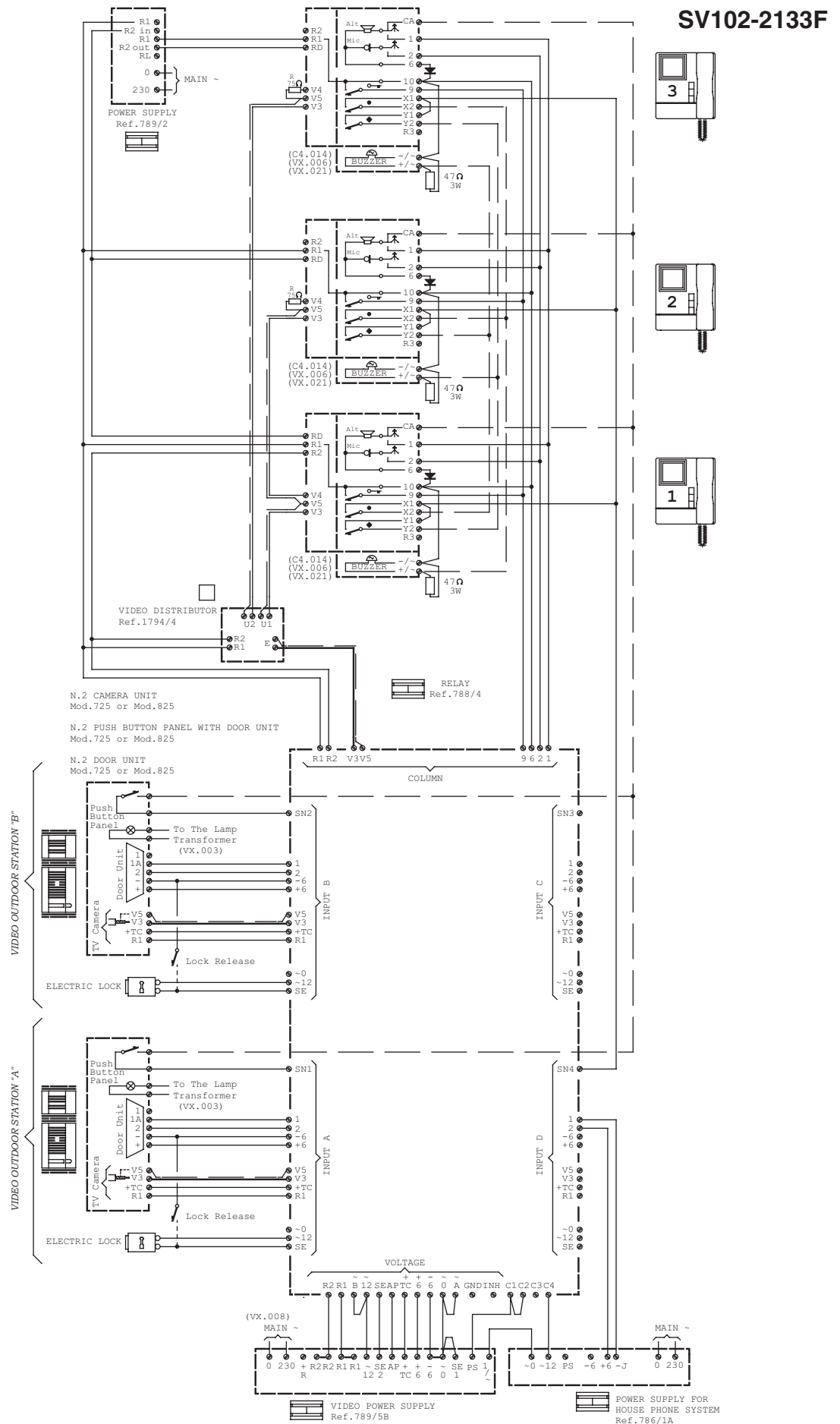
VX.006

VX.021

Cut or remove the jumpers on the device(s): 6 – 10.



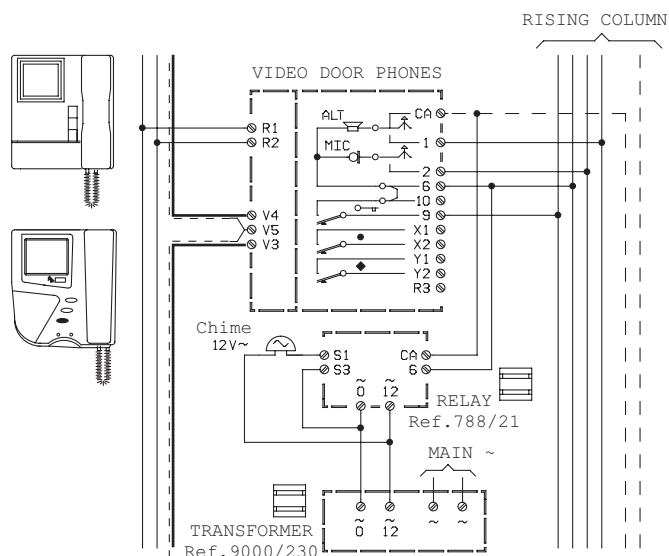
**CONNECTION OF 3 MONITORS TO 2 VIDEO OUTDOOR STATIONS**  
**THE MONITORS PERFORM THE INTERCOM SERVICE**  
**THE VIDEO OUTDOOR STATIONS CALL THE MONITORS IN PARALLEL WITH**  
**CONCURRENT POWER-ON**



SV102-1469C CONNECTION OF A CALL REPEATER RELAY IN PARALLEL TO THE VIDEO DOOR PHONE  
 SC101-0989C CONNECTION IN PARALLEL OF THE 3-TONE CHIME TO THE MONITOR  
 SV102-154B CONNECTION IN PARALLEL OF 1 VIDEO DOOR PHONE AND 1 Mod. 1131, Mod. 1132 or Mod. Atlantico  
 HOUSE PHONE  
 SV102-0782C CONNECTION IN PARALLEL OF 2 VIDEO DOOR PHONES

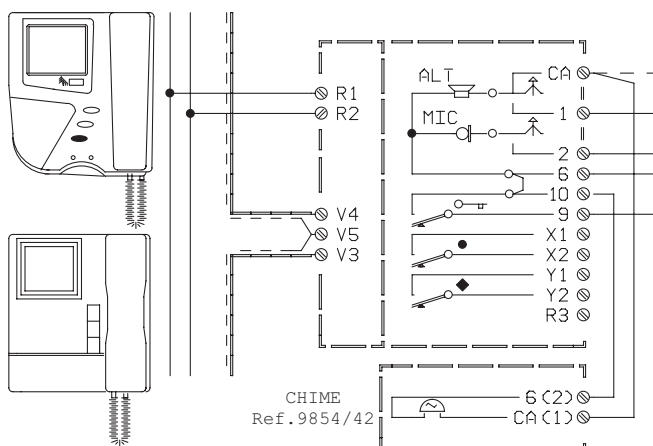
**urmet**  
DOMUS

## SV102-1469C



## SC101-0989C

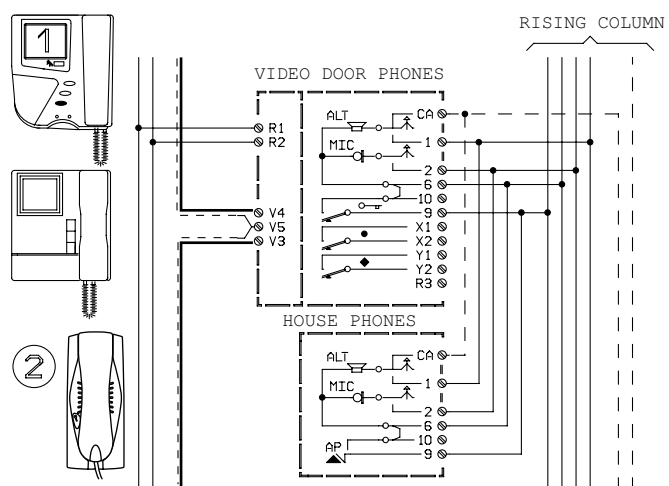
ELECTRONIC VIDEO DOOR PHONES SYSTEM  
 VIDEO DOOR PHONES Mod SENTRY+ and Mod. WINFLAT+



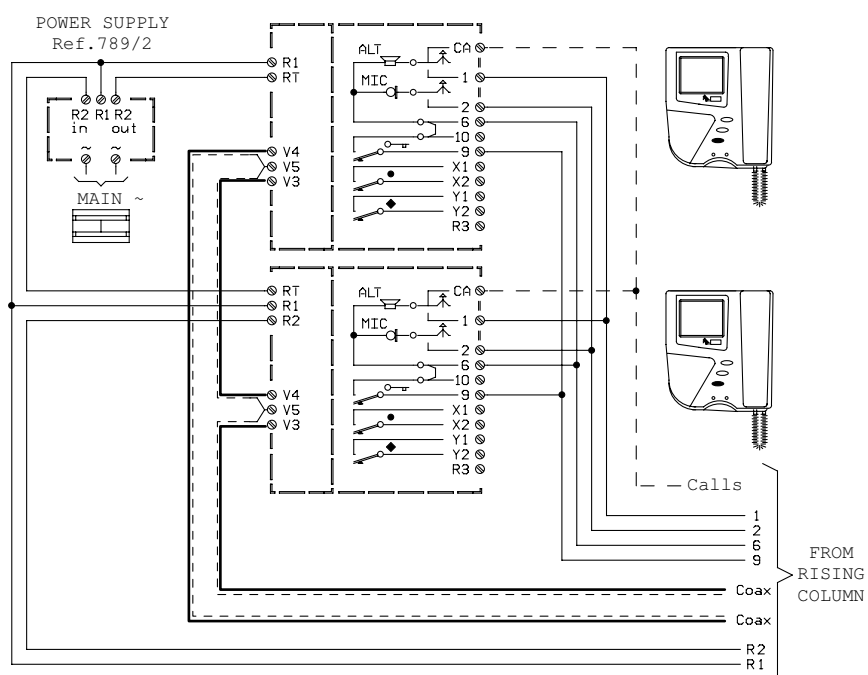
Connect a battery of 9V inside the chime (MN1604/6LR61). The chime is equipped with 2 jumpers indicated with W1 and W2. It can operate whether in 2-tone or 1-tone mode by removing the 2 jumpers according to the following schedule:

| CHIME TYPE | JUMPERS |    |  |
|------------|---------|----|--|
|            | W1      | W2 |  |
| 3-TONE     | ×       | ×  | All the 2 jumpers are connected                    |
| 2-TONE     | ×       |    | Only jumper W1 is connected:<br>W2 must be removed |
| 1-TONE     |         | ×  | Only jumper W2 is connected:<br>W1 must be removed |

## SV102-1574B



## SV102-0782C





## CONNECTION OF VIDEO DOOR PHONES TO 1 VIDEO OUTDOOR STATION EXAMPLE OF COAX CABLE DISTRIBUTION WITH VIDEO DISTRIBUTORS TO THE FLOOR



### FUNCTION

The system is used to connect the video door unit and the various apartment monitors to the video signal distributors on each floor or to a group of users.

When the visitor presses a button on the push button panel, the bitonal electronic call is sent to the corresponding monitor loudspeaker and, after about 7 seconds, the image appears on the screen.

At this point the user sees the visitor and can answer, if he wishes, unhooking the handset. At the end of the conversation, the electric lock can be operated by pressing the key (🔑).

Vision of the image lasts about 60 seconds, after which the intervention of the built-in timer in the power supply causes it to go off. If a second monitor is called before the end of the 60 seconds, the first monitor will automatically go off and the latter comes on. This feature guarantees secrecy of vision.

### EQUIPMENT

The following devices are needed for the system illustrated in diagram SV102-1612D:

|                                    |                               | Ref.  | Quantity |
|------------------------------------|-------------------------------|---|----------|
| VIDEO DOOR PHONES                  |                               |   |          |
| Video door phone                   | Sentry+/Direct vision         | 1704/1A   | N        |
|                                    | or<br>Sentry+/Reflex vision   | 1704/10A  |          |
| Bracket for                        | Sentry+                       | 1704/90   | N        |
| Embedding box<br>for wall mounting | Sentry+ direct<br>vision only | 1704/60   | N        |
|                                    | or                            |   |          |
| Kit<br>for table version           | Sentry+ direct<br>vision only | 1704/50   |          |
| or                                 |                               |   |          |
| Video door phone                   | Winflat+                      | 1202/1A   | N        |
| Bracket for                        | Winflat+                      | 1202/90   | N        |
| Kit<br>for table version           | Winflat+                      | 1202/92   | N        |
| VIDEO OUTDOOR STATION              |                               |   |          |
| Video<br>outdoor station           | Mod. 725                      | see the sec. 2e<br>of technical manual<br>MT101-013 | 1        |
|                                    | or<br>Mod. Kombi              | see the sec. 2d<br>of technical manual<br>MT101-013 |          |
| Door Unit                          | Mod. 725                      | 5150/500  | 1        |
|                                    | or<br>Mod. Kombi              | 824/500   |          |
| VARIOUS                            |                               |   |          |
| Video Power Supply                 | 230V                          | 789/5B  | 1        |
| Video Distributor                  |                               | 1794/4  | N        |

### DIAGRAM NOTES

(see section 1)

VX.001

VX.002

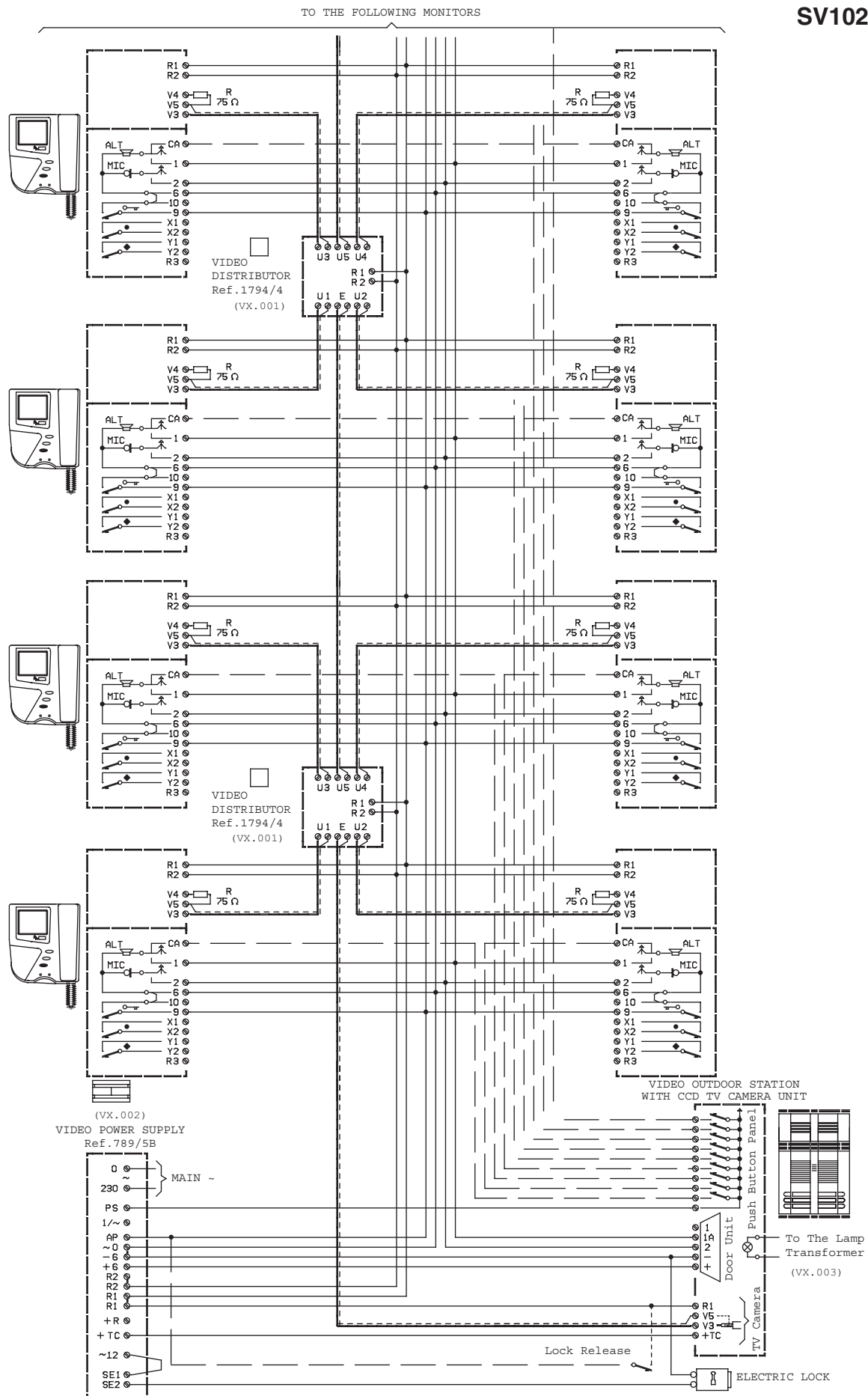
VX.003

VX.004

VX.005

# CONNECTION OF VIDEO DOOR PHONES TO 1 VIDEO OUTDOOR STATION EXAMPLE OF COAX CABLE DISTRIBUTION WITH VIDEO DISTRIBUTORS TO THE FLOOR

SV102-1612D



## CONNECTION OF TWO VIDEO DOOR PHONES TO 1 VIDEO OUTDOOR STATION COLOUR VIDEO DOOR PHONE SYSTEM



### FUNCTION

This type of system is used to connect the video door unit with two colour monitors located in the apartments..

When the visitor presses a button on the push button panel, the bitonal electronic call is sent to the corresponding monitor loudspeaker and, after about 7 seconds, the image appears on the screen.

At this point the user sees the visitor and can answer, if he wishes, unhooking the handset. At the end of the conversation, the electric lock can be operated by pressing the key (🔑).

Vision of the image lasts about 60 seconds, after which the intervention of the built-in timer in the power supply causes it to go off. If a second monitor is called before the end of the 60 seconds, the first monitor will automatically go off and the latter comes on. This feature guarantees secrecy of vision.

### EQUIPMENT

The following devices are needed for the system illustrated in diagram SV102-3120:

|                              |                 | Ref.            | Quantity |
|------------------------------|-----------------|-----------------|----------|
| <b>VIDEO DOOR PHONES</b>     |                 |                 |          |
| <b>Video door phone</b>      | <b>Winspot+</b> | <b>1855/11A</b> | <b>N</b> |
| <b>Bracket for</b>           | <b>Winspot+</b> | <b>1202/90</b>  | <b>N</b> |
| <b>Kit for table version</b> | <b>Winspot+</b> | <b>1202/92</b>  | <b>N</b> |

### VIDEO OUTDOOR STATION

|                          |  |                                      |                  |
|--------------------------|--|--------------------------------------|------------------|
| <b>Modulo telecamera</b> | <b>Mod. Sinthesi</b><br><i>or</i><br><b>Mod. K-Steel</b> | <b>1745/40</b><br><br><b>1755/40</b> | <br><br><b>1</b> |
| <b>Door Unit Module</b>  | <b>Mod. Sinthesi</b><br><i>or</i><br><b>Mod. K-Steel</b> | <b>1145/22</b><br><br><b>1155/22</b> | <br><br><b>N</b> |
| <b>Door Unit</b>         | <b>Mod. Sinthesi</b>                                     | <b>1145/500</b>                      | <b>1</b>         |

### VARIOUS

|                           |             |               |          |
|---------------------------|-------------|---------------|----------|
| <b>Video Power Supply</b> | <b>230V</b> | <b>789/5B</b> | <b>1</b> |
| <b>Video Distributor</b>  |             | <b>1794/4</b> | <b>1</b> |

### DIAGRAM NOTES

(see section 1)

**C4.006**

Sinthesi models only:

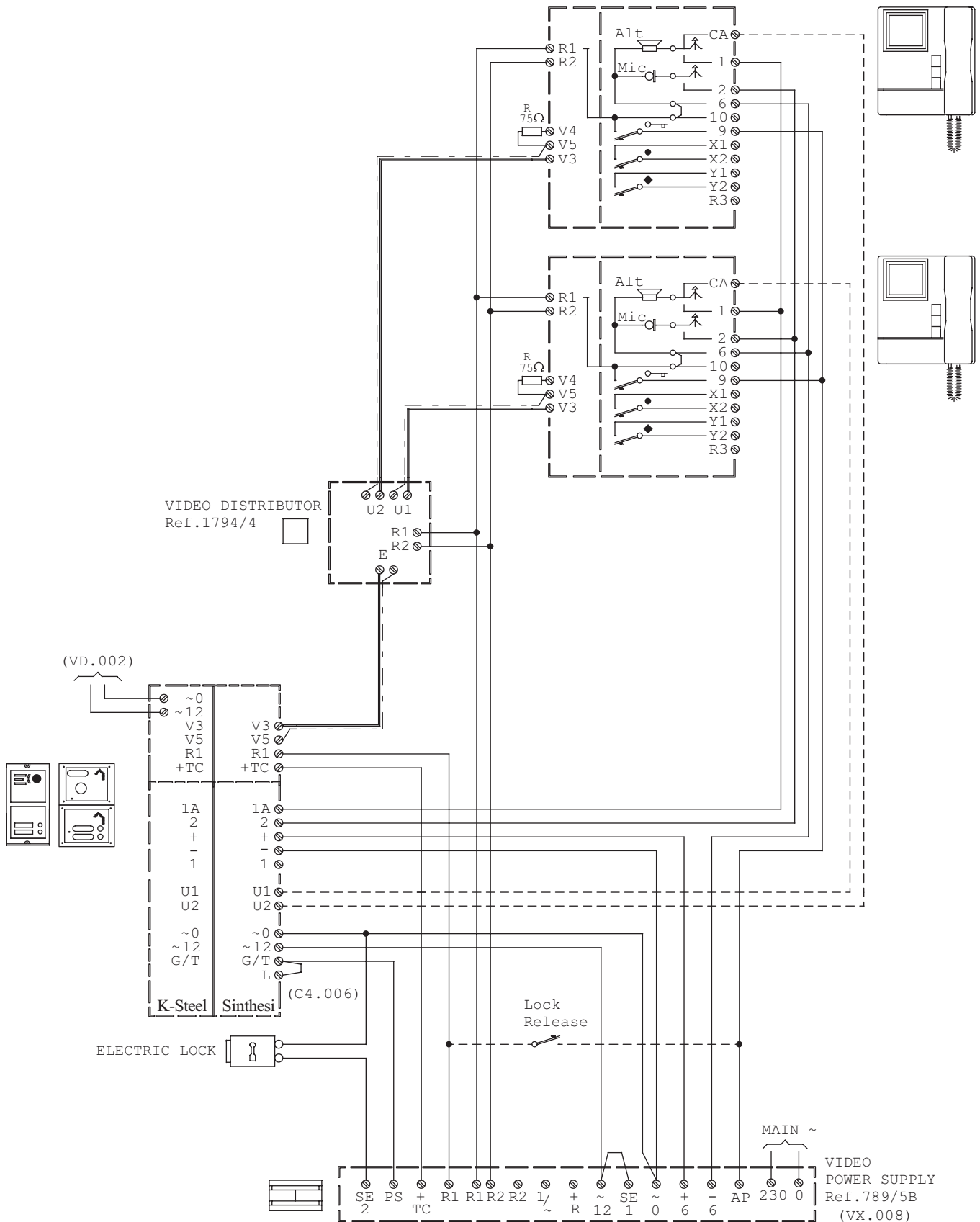
Connect jumper L with G/T

**VD.002**

**VX.003**

**VX.008**

SV102-3120

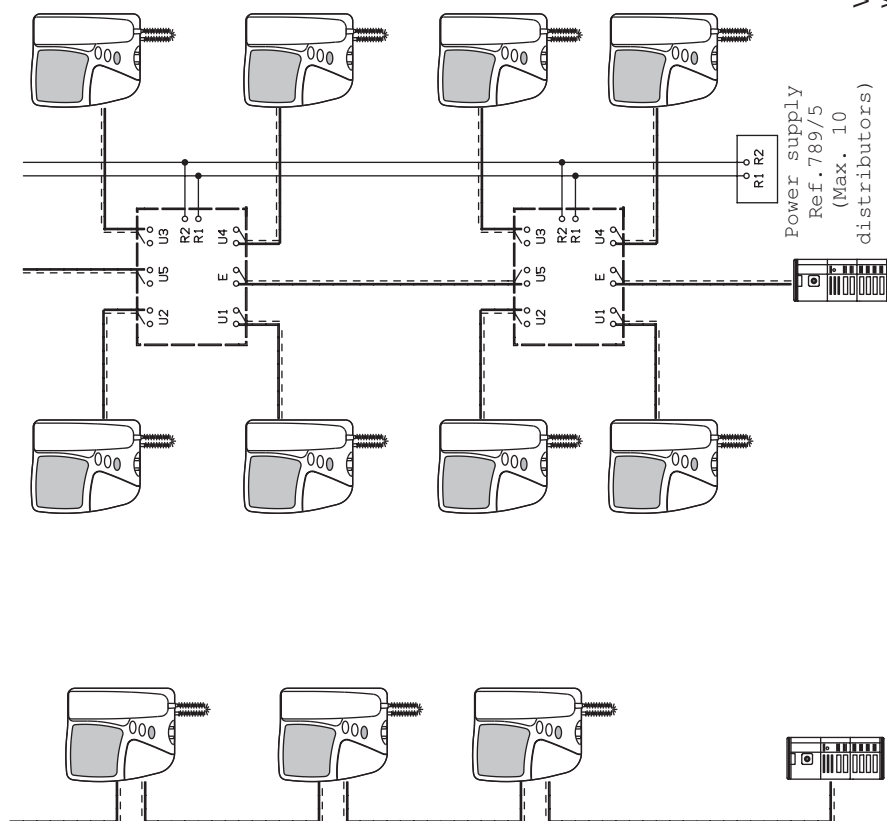


## EXAMPLES OF COAXIAL CABLE CONNECTION

## ONE RISER

## SERIES CONNECTION

The cable goes in and comes out from each monitor

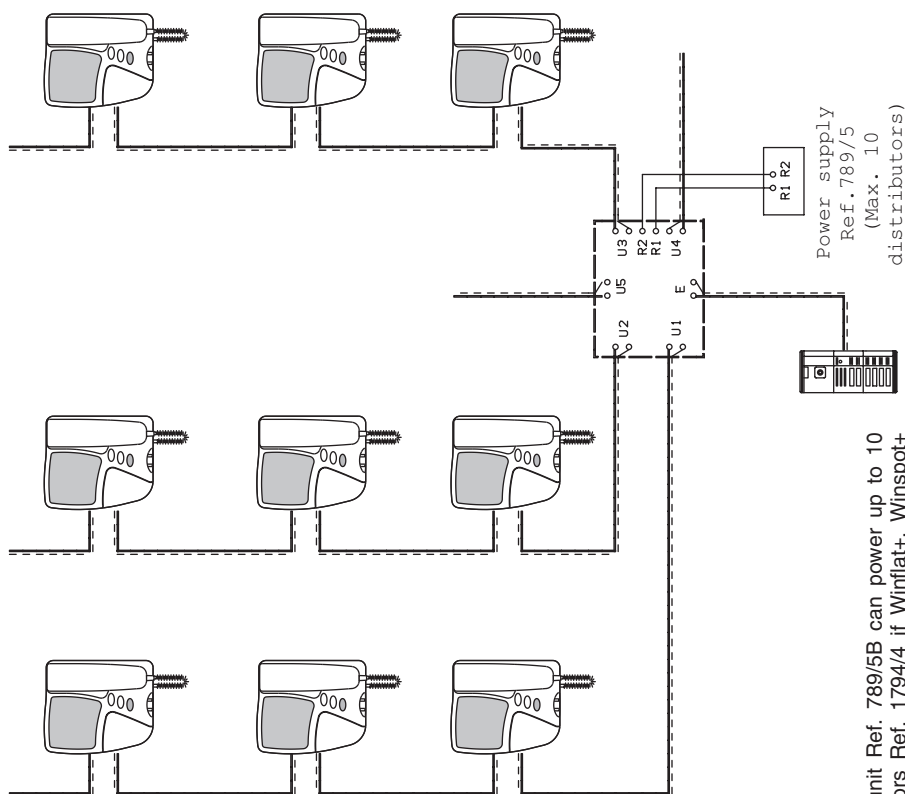


## CONNECTION WITH DISTRIBUTION TO THE FLOORS

## SEVERAL RISER

## CONNECTION WITH DISTRIBUTION AT RISER BEGINNING

In each riser the cable goes in and comes out from each monitor

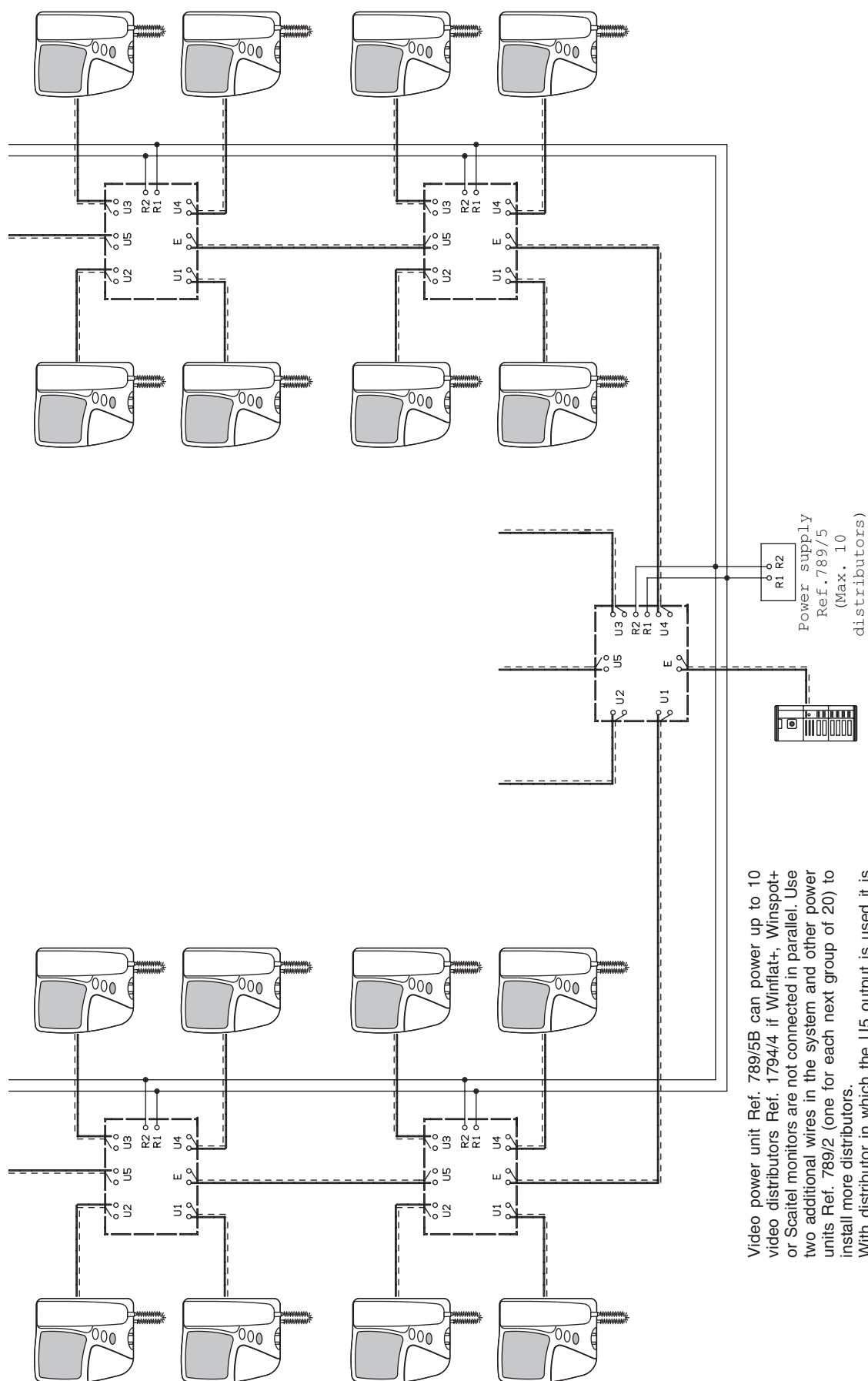


Video power unit Ref. 789/5B can power up to 10 video distributors Ref. 1794/4 if Winflat+, Winspot+ or Scatell monitors are not connected in parallel. Use two additional wires in the system and other power units Ref. 789/2 (one for each next group of 20) to install more distributors.  
With distributor in which the U5 output is used it is necessary to remove the 75 Ohm resistance (mounted raised from the PCB) .



SEVERAL RISER

IN EACH RISER THE CABLE CONNECTION IS MADE WITH DISTRIBUTION TO THE FLOORS



Video power unit Ref. 789/5B can power up to 10 video distributors Ref. 1794/4 if Winflat+, Winspot+ or Scatell monitors are not connected in parallel. Use two additional wires in the system and other power units Ref. 789/2 (one for each next group of 20) to install more distributors.

With distributor in which the U5 output is used it is necessary to remove the 75 Ohm resistance (mounted raised from the PCB)



# **BASIC DIAGRAMS FOR 5-WIRE ELECTRONIC DOOR PHONE SYSTEMS**

Download from:  
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Technical Manuals area  
MT101-014\_sec.1e.pdf



|   | Diagram                         | Sec.     | Pag. |
|---|---------------------------------|----------|------|
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| CONNECTION OF A VIDEO DOOR PHONE RISER TO A VIDEO OUTDOOR STATION<br>WITH SECRECY DEVICE Mod. KOMBI .....   | SV102-1701C .....               | 1e ..... | 4    |
| CONNECTION OF A VIDEO DOOR PHONE RISER TO 2 VIDEO OUTDOOR STATION<br>WITH SECRECY DEVICE Mod. SINTHESI or Mod. K-STEEL.....   | SV102-2902C .....               | 1e ..... | 5    |
| CONNECTION OF A VIDEO DOOR PHONE RISER TO TWO VIDEO OUTDOOR STATIONS<br>WITH SECRECY DEVICE.....  | SV102-1713C .....               | 1e ..... | 6    |
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| CONNECTION OF SEVERAL SETS OF VIDEO DOOR PHONES TO A COMMON<br>VIDEO OUTDOOR STATION<br>Each group is also connected to its own secondary outdoor station Mod. KOMBI .....                    | SV102-0648E .....               | 1e ..... | 12   |
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| CONNECTION OF 4 VIDEO DOOR PHONES TO 1 VIDEO DOOR PHONE CALLING STATION .....   | SV102-2606D .....               | 1e ..... | 15   |
| CONNECTION OF SEVERAL WINSPOT+ VIDEO DOOR PHONES<br>TO 1 SINTHESI COLOUR VIDEO DOOR UNIT .....  | SV102-3122A .....               | 1e ..... | 16   |
| EXAMPLE OF SIGNAL A, SIGNAL B AND POWER (R1, R2)<br>DISTRIBUTION ON SEVERAL COLUMNS .....   | SV102-2978B .....               | 1e ..... | 17   |

# CONNECTION OF A VIDEO DOOR PHONE RISER TO A VIDEO OUTDOOR STATION WITH SECRECY DEVICE

Mod. SINTHESI or Mod. K-STEEL

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## FUNCTION

The 5-wire video door phone system implements conversation privacy, call and door opener functions in normal door phone systems with only 5 wires in the riser column: 4 commons + 1 single for each device.

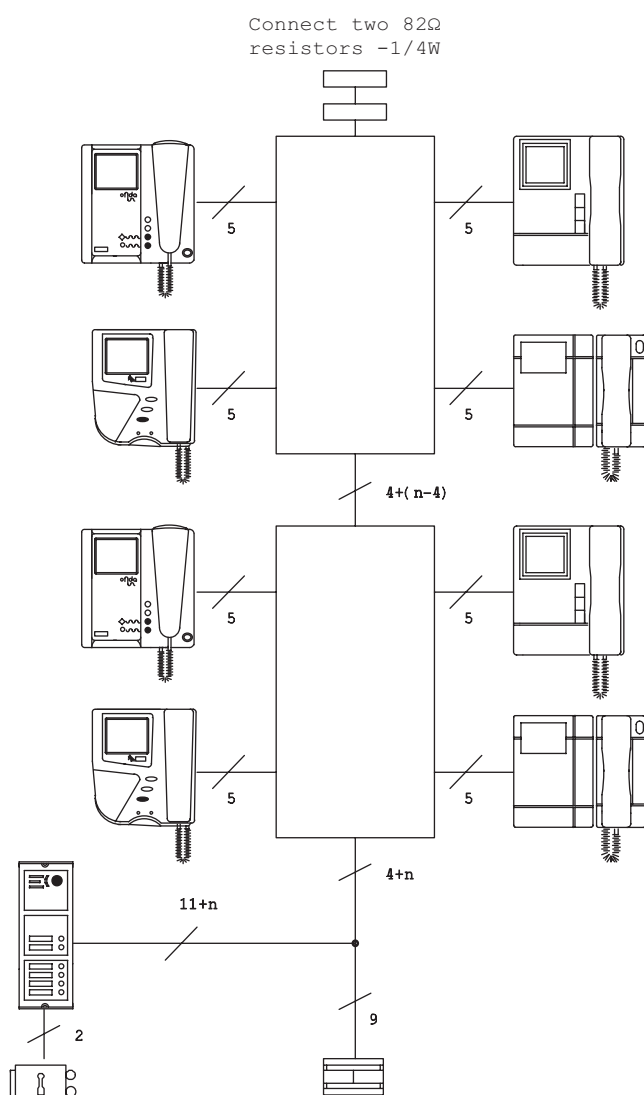
The door unit is powered with only two wires and a transformer at 12V~.

The most interesting application of a 5-wire system is in old buildings where a door phone system is already fitted. The existing system can be transformed into a video door phone system without adding wires to the column or in the apartments.

Specific conversation privacy circuits must be fitted in the panel for ensuring conversation privacy for all video door phones in the system (one for each button). All video door phones are normally deactivated (no sound is heard when the handset is picked up); only the video door phone called from the door can start the conversation. No other users can cut into the call.

The voice circuit of the called video door phone remains activate until the following call is made from the panel to another device.

The door opening function is connected to conversation privacy; this means that a user must be called to be able to open the electrical lock.



## EQUIPMENT

The following devices are needed for the system illustrated in diagram SV102-2633E:

| Device | References | Quantity |
|--------|------------|----------|
|--------|------------|----------|

### VIDEO DOOR PHONES

|                  |              |   |
|------------------|--------------|---|
| <b>Mod. Onda</b> |              |   |
| Video door phone | Ref. 1701/30 | X |
| Bracket          | Ref. 1701/60 | X |

or

|                       |               |   |
|-----------------------|---------------|---|
| <b>Mod. Winflat+</b>  |               |   |
| Video door phone      | Ref. 1202/1A  | X |
| Bracket               | Ref. 1202/955 | X |
| Kit for table version | Ref. 1202/92  | X |

or

|                                     |               |   |
|-------------------------------------|---------------|---|
| <b>Mod. Sentry+ (direct vision)</b> |               |   |
| Video door phone                    | Ref. 1704/1A  | X |
| Bracket                             | Ref. 1704/955 | X |
| Embedding box for wall mounting     | Ref. 1704/60  | X |

or

|                       |              |   |
|-----------------------|--------------|---|
| Kit for table version | Ref. 1704/50 | X |
|-----------------------|--------------|---|

or

|                                     |               |   |
|-------------------------------------|---------------|---|
| <b>Mod. Sentry+ (reflex vision)</b> |               |   |
| Video door phone                    | Ref. 1704/10A | X |
| Bracket                             | Ref. 1704/955 | X |

or

|                       |                             |   |
|-----------------------|-----------------------------|---|
| <b>Mod. Scaitel</b>   |                             |   |
| Monitor               | Ref. 1732/1                 | X |
| Bracket               | Ref. 1732/955               | X |
| House phone           | Ref. 1132/35                | X |
| Kit for table version | Ref. 1732/56 + Ref. 1132/50 | X |

### VIDEO OUTDOOR STATION

|                                   |                          |   |
|-----------------------------------|--------------------------|---|
| <b>Mod. Sinthesi</b>              |                          |   |
| Camera unit module with door unit | Ref. 1745/20-/21-/22     | 1 |
| Button modules                    | Ref. 1145/11-/12-/13-/14 | N |
| Conversation privacy device       | Ref. 1145/74             | 4 |

or

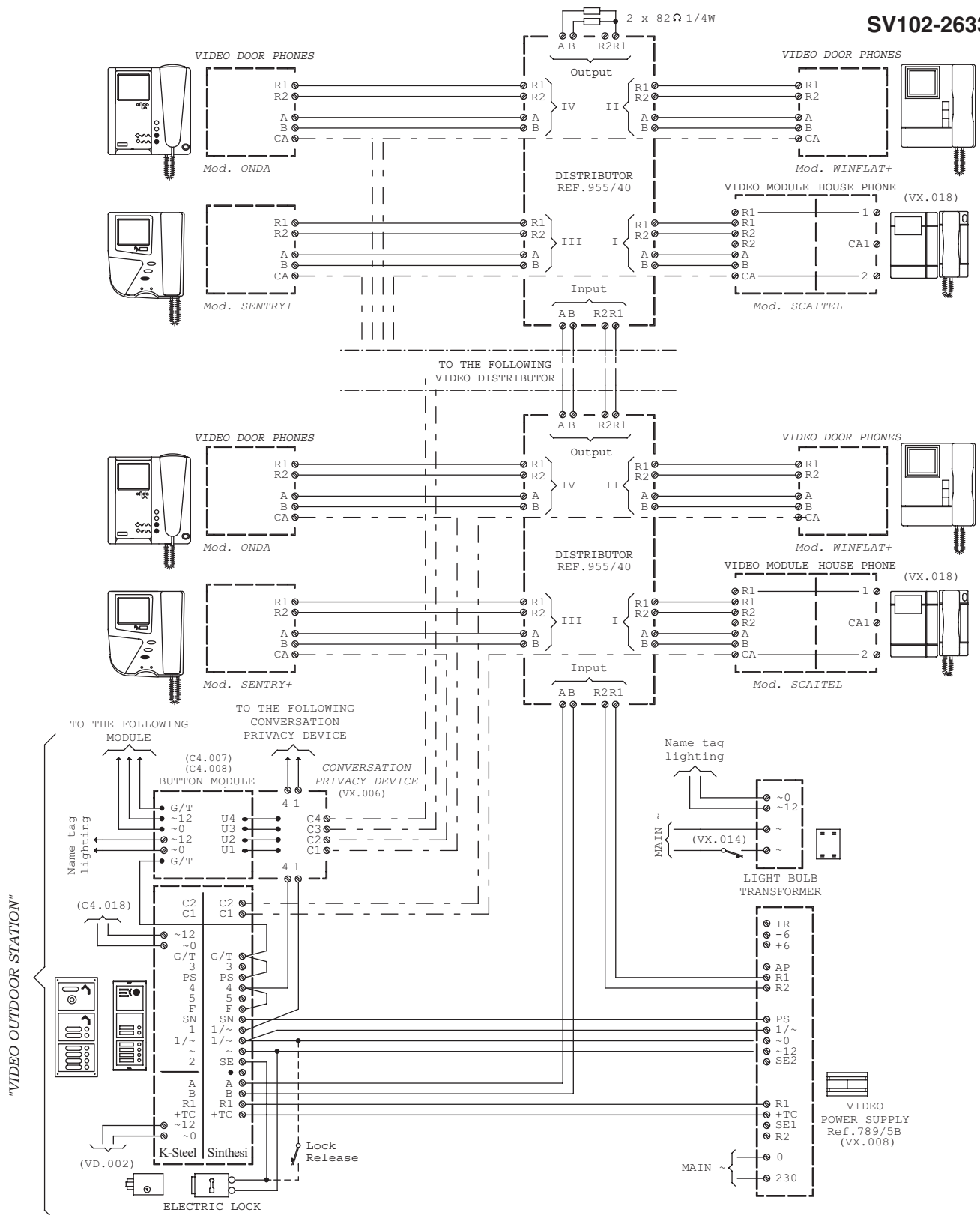
|                             |                          |   |
|-----------------------------|--------------------------|---|
| <b>Mod. K-steel</b>         |                          |   |
| Camera unit module          | Ref. 1755/30A            | 1 |
| Door unit modules           | Ref. 1155/30-/31-/32     | 1 |
| Button modules              | Ref. 1155/11-/12-/13-/14 | N |
| Conversation privacy device | Ref. 1155/74             | 4 |

### VARIOUS

|                          |             |     |
|--------------------------|-------------|-----|
| Video Power Supply       | Ref. 789/5B | 1   |
| Video signal distributor | Ref. 955/40 | X/4 |

# CONNECTION OF A VIDEO DOOR PHONE RISER TO A VIDEO OUTDOOR STATION WITH SECRECY DEVICE Mod. SINTHESI or Mod. K-STEEL

**SV102-2633E**



## DIAGRAM NOTES

(see section 1)

C4.007 VX.006 C4.008 C4.018  
VD.002 V5.001 VX.008 VX.014

### VX.018

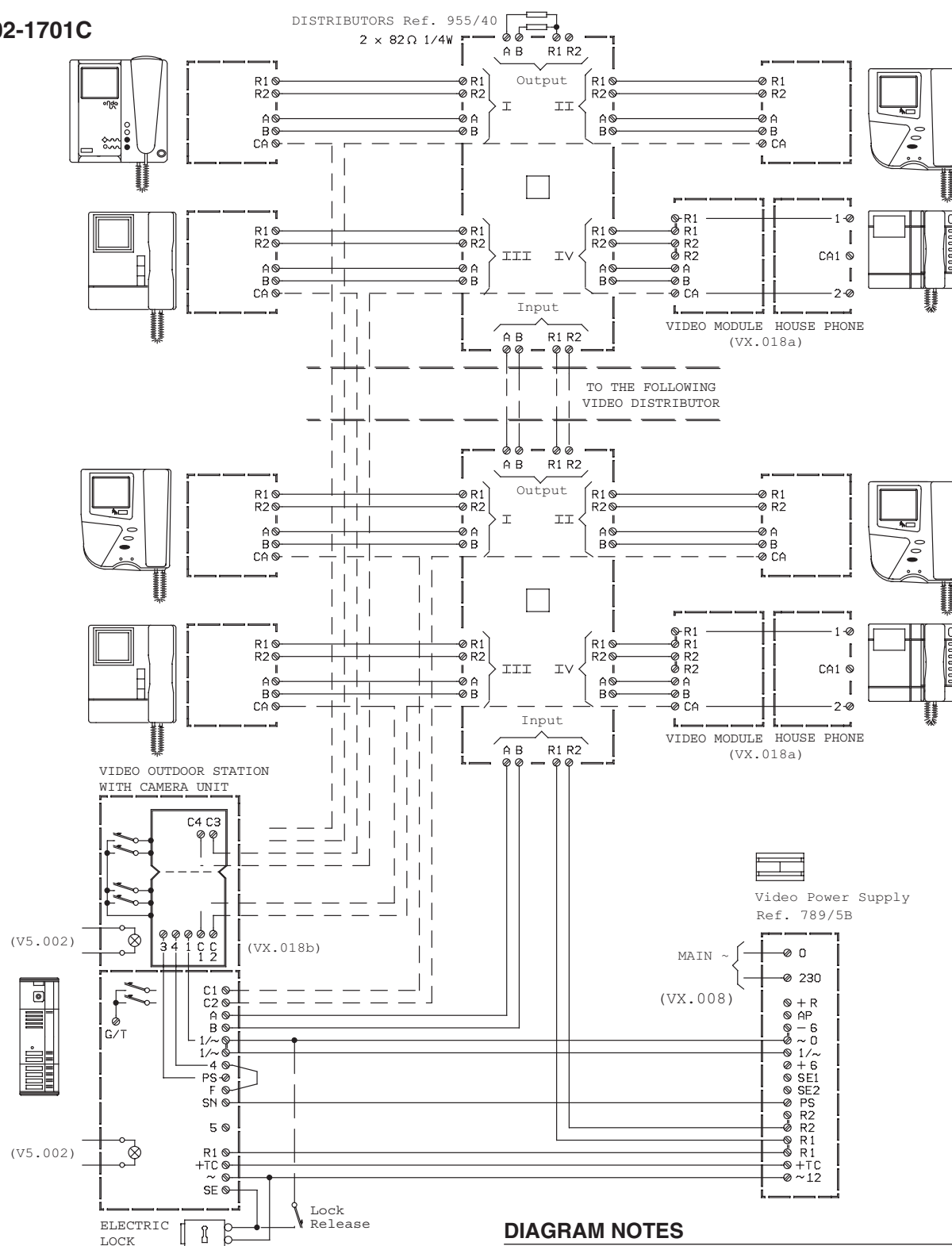
Connect the following jumpers on the device:

- R1 with 1
- CA with 2

# CONNECTION OF A VIDEO DOOR PHONE RISER TO A VIDEO OUTDOOR STATION WITH SECRECY DEVICE Mod. KOMBI

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SV102-1701C



CAMERA UNIT MODULE

- Without button Ref. 955/20
- With 1 button Ref. 955/21
- With 2 buttons Ref. 955/22
- + Secrecy Board Ref. 1035/74

## DIAGRAM NOTES

(see section 1)  
VX.008 V5.002 V5.001

### VX.018a

Connect the following jumpers on the device:

- R1 with 1
- CA with 2

### VX.018b

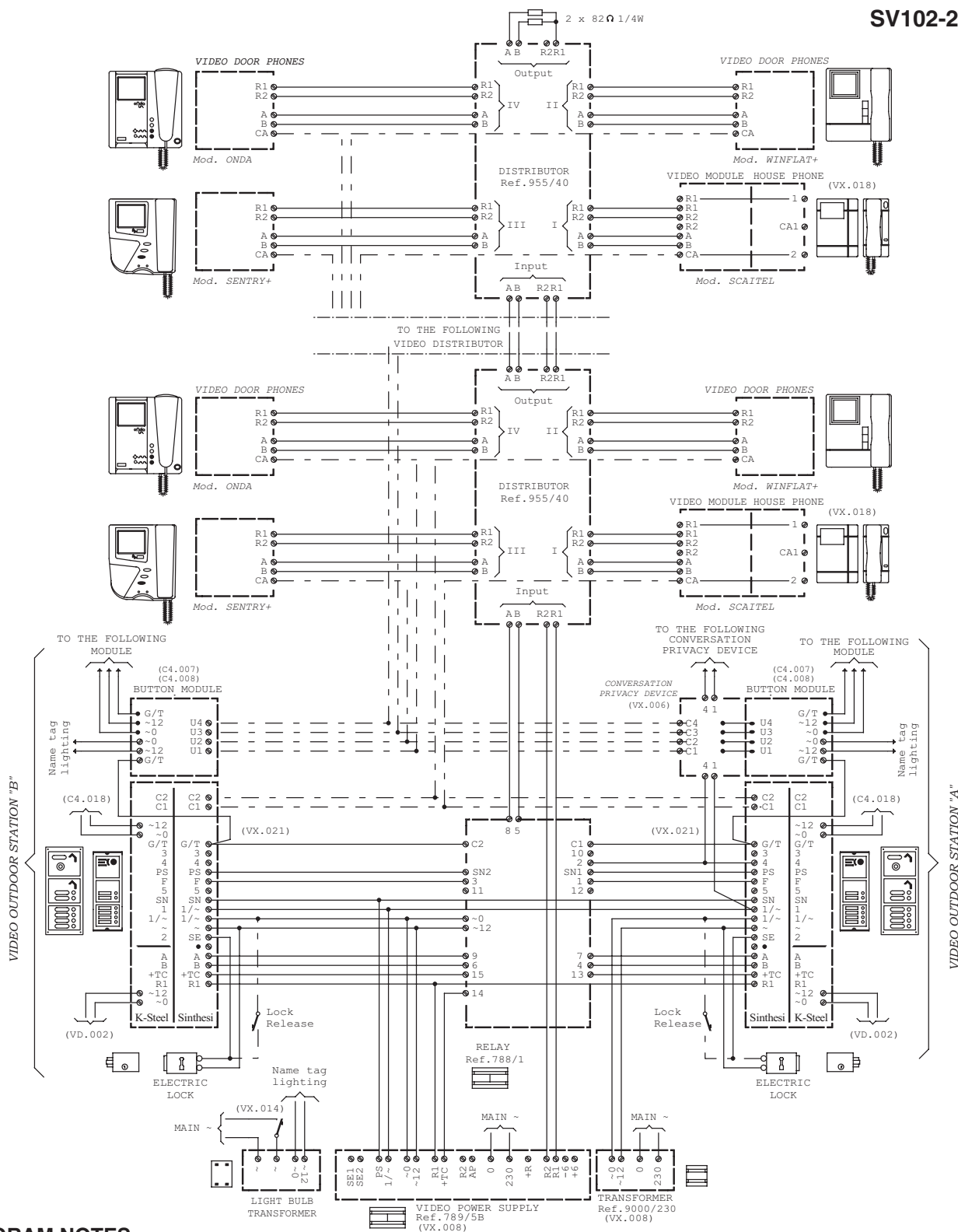
Connect the following jumpers on the device:

- 3 with PS
- 1 with 1/~
- 4 with 4



# CONNECTION OF A VIDEO DOOR PHONE RISER TO 2 VIDEO OUTDOOR STATIONS WITH SECRECY DEVICE Mod. SINTHESI or Mod. K-STEEL

SV102-2902C



## DIAGRAM NOTES

(see section 1)

C4.007 C4.008 C4.018 VD.002 VX.006 VX.008 VX.014

### VX.018

Connect the following jumpers on the device:

- R1 with 1
- CA with 2

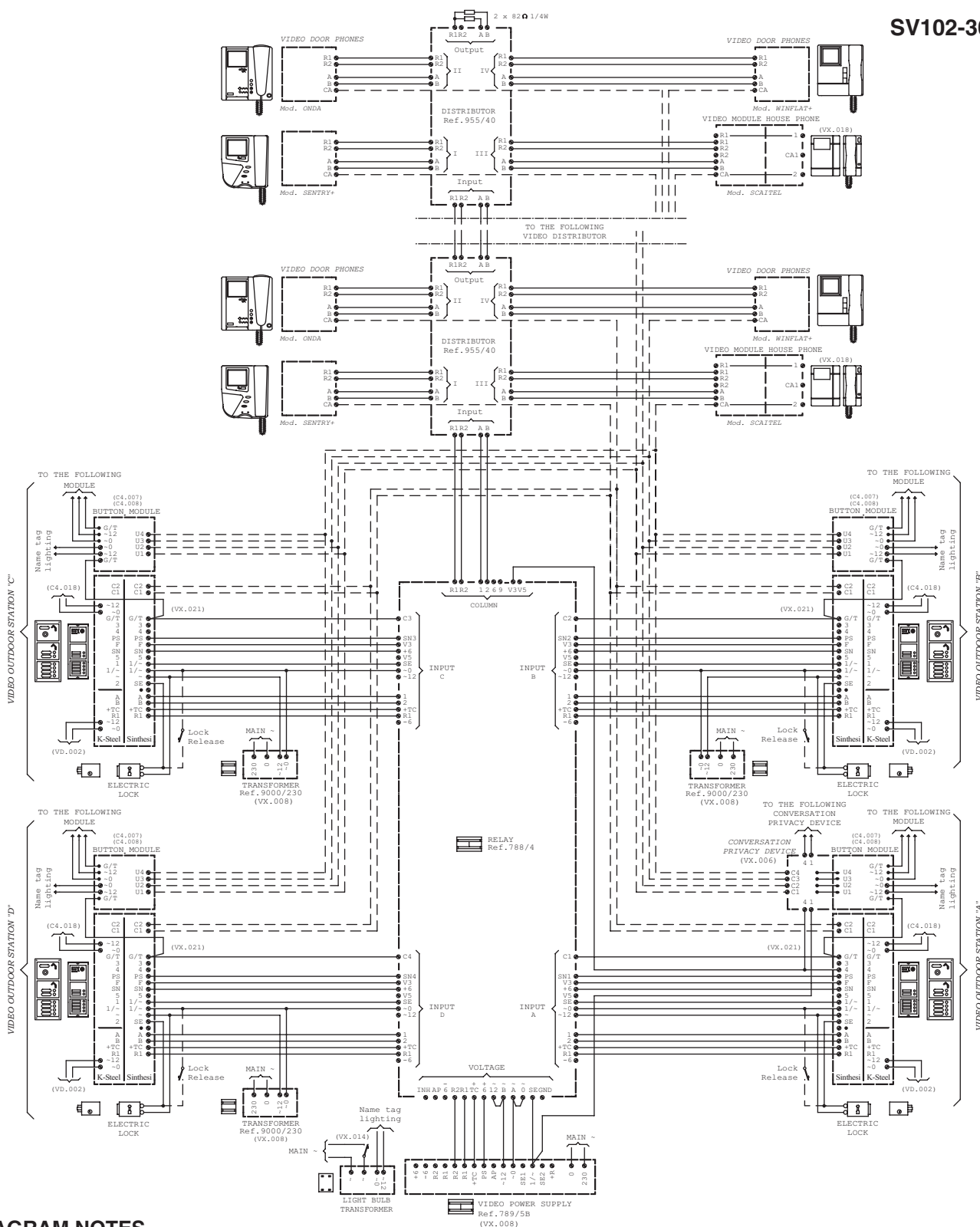
### VX.021

Cut or remove the jumpers on the device(s):  
PS and G/T 4 and F



# CONNECTION OF A VIDEO DOOR PHONE RISER TO 4 VIDEO OUTDOOR STATIONS WITH SECRECY DEVICE Mod. SINTESI or Mod. K-STEEL

SV102-3092



## DIAGRAM NOTES

(see section 1)

C4.007 C4.008 C4.018 VD.002 VX.006 VX.008 VX.014

### VX.018

Connect the following jumpers on the device:

- R1 with 1
- CA with 2

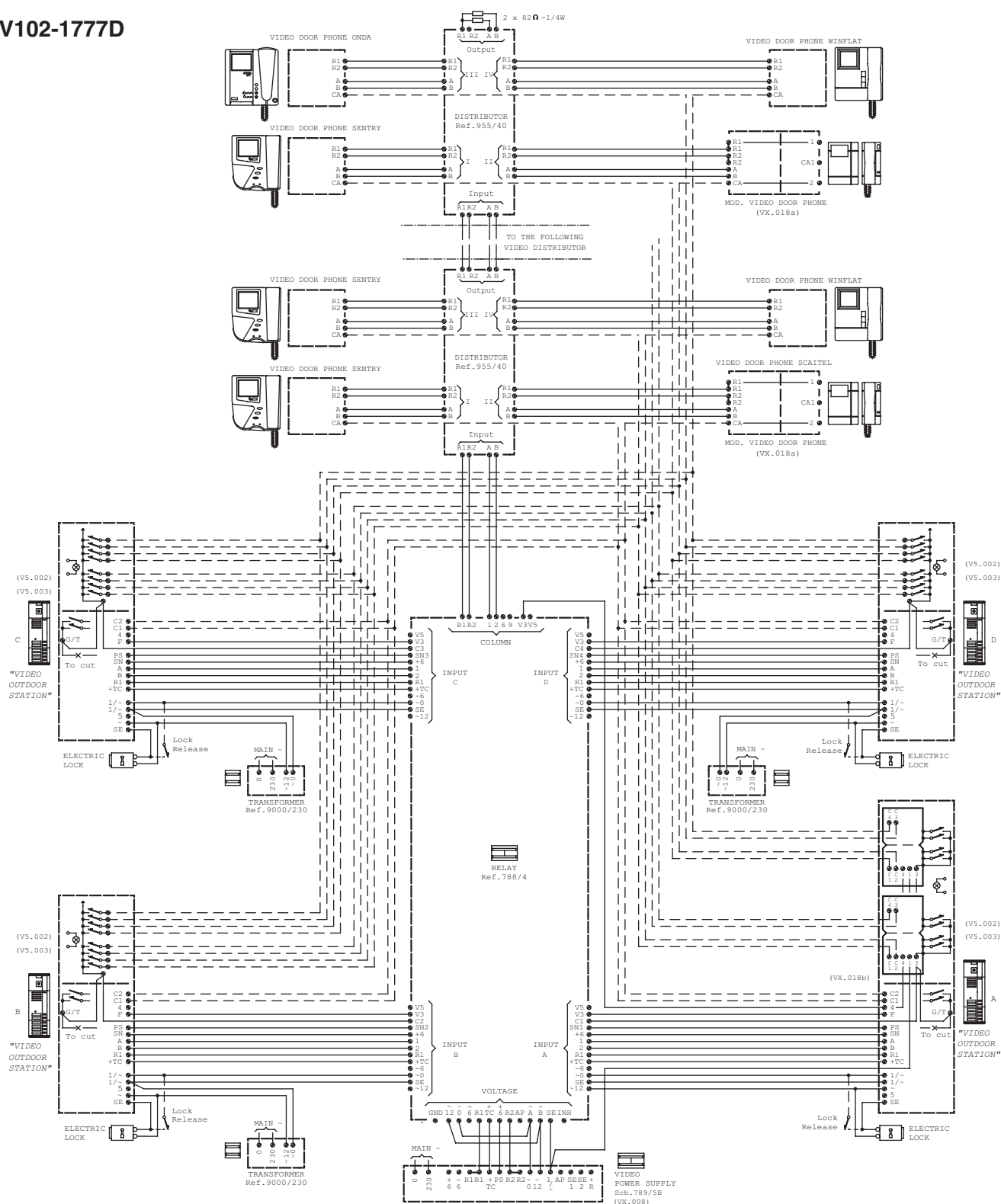
### VX.021

Cut or remove the jumpers on the device(s):  
PS and G/T 4 and F

# CONNECTION OF A VIDEO DOOR PHONE RISER TO 4 VIDEO OUTDOOR STATIONS WITH SECRECY DEVICE Mod. KOMBI

**urmet**  
DOMUS

SV102-1777D



## DIAGRAM NOTES

(see section 1)  
V5.001 V5.003  
V5.002 VX.008

### VX.018a

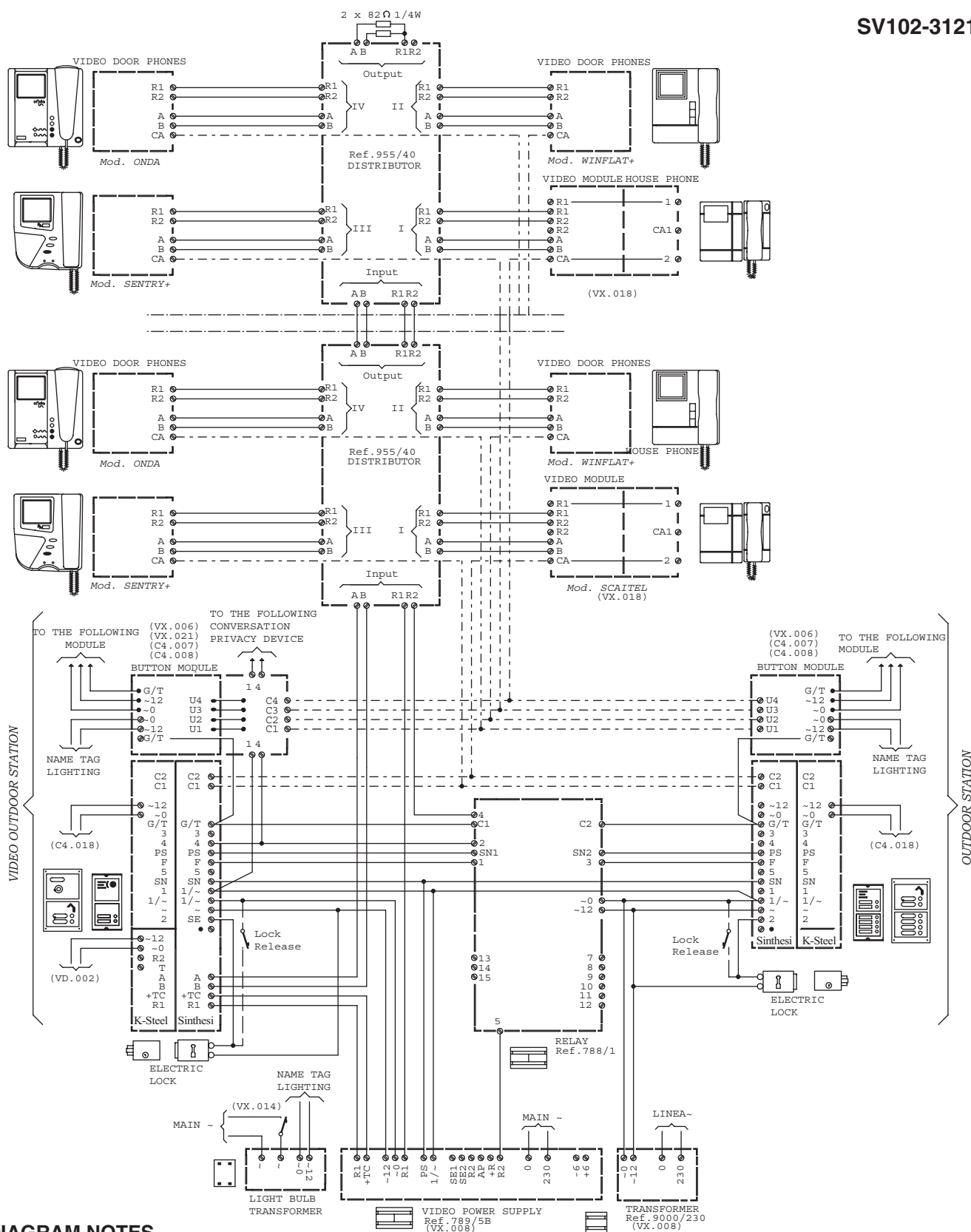
Connect the following jumpers on the device:  
a) R1 with 1 b) CA with 2

### VX.018b

Connect the following jumpers on the device:  
a) 4 with 4 b) 3 with G/T

# CONNECTION OF 1 VIDEO DOOR PHONE COLUMN TO 1 VIDEO DOOR UNIT AND 1 DOOR UNIT Mod. SINTHESI or Mod. K-STEEL

SV102-3121A



## DIAGRAM NOTES

(see section 1)

C4.007 C4.008 C4.018 VD.002 VX.006 VX.008 VX.014

### VX.018

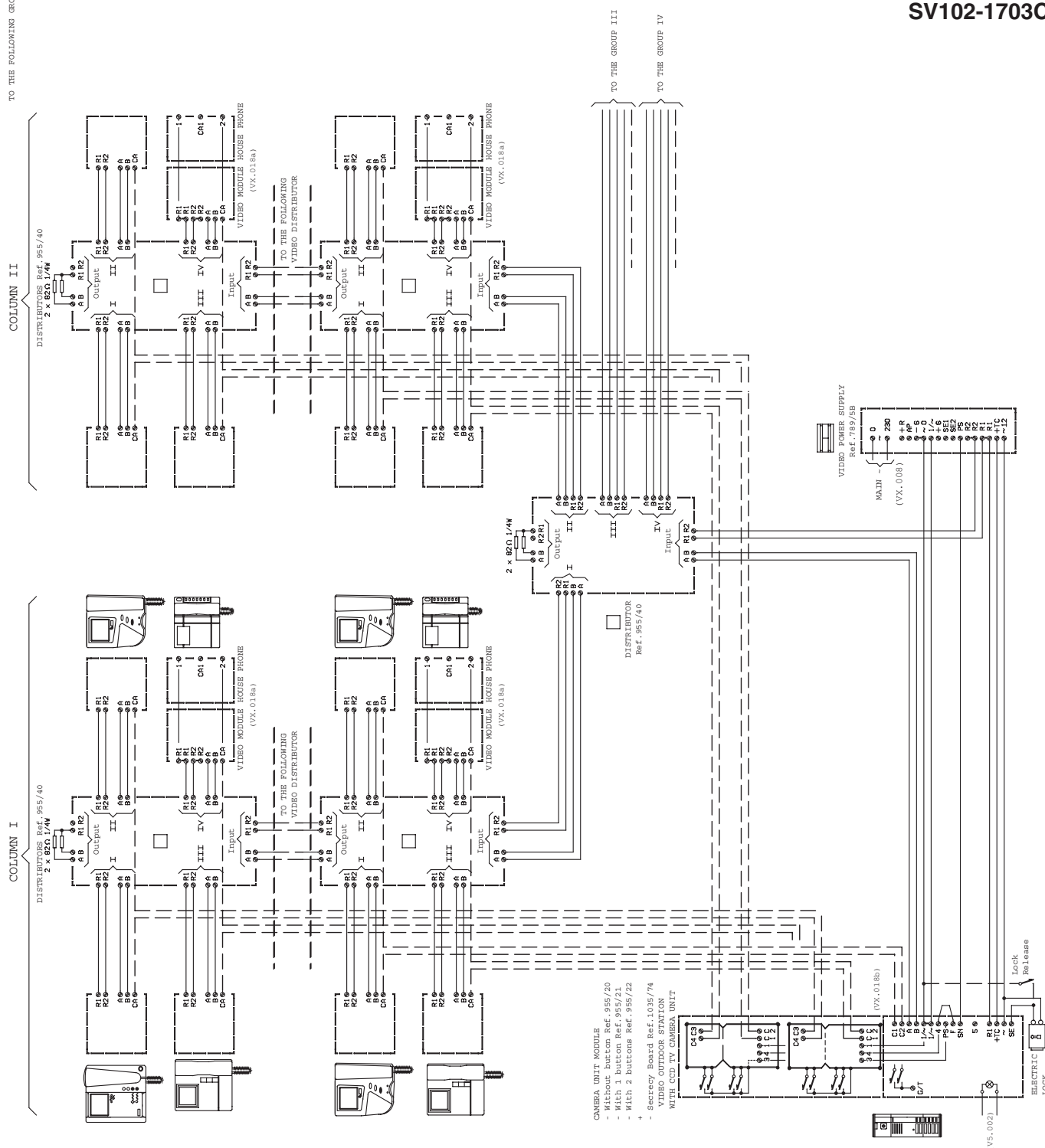
Connect the following jumpers on the device: a) R1 with 1b) CA with 2

### VX.021

Cut or remove the jumpers on the device(s): PS and G/T 4 and F

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TO THE FOLLOWING GROUP



(see section 1)

V5.001    V5.003    V5.002    VX.008

**VX.018a**

Connect the following jumpers on the device:

- a) R1 with 1  
b) CA with 2

**VX.018b**

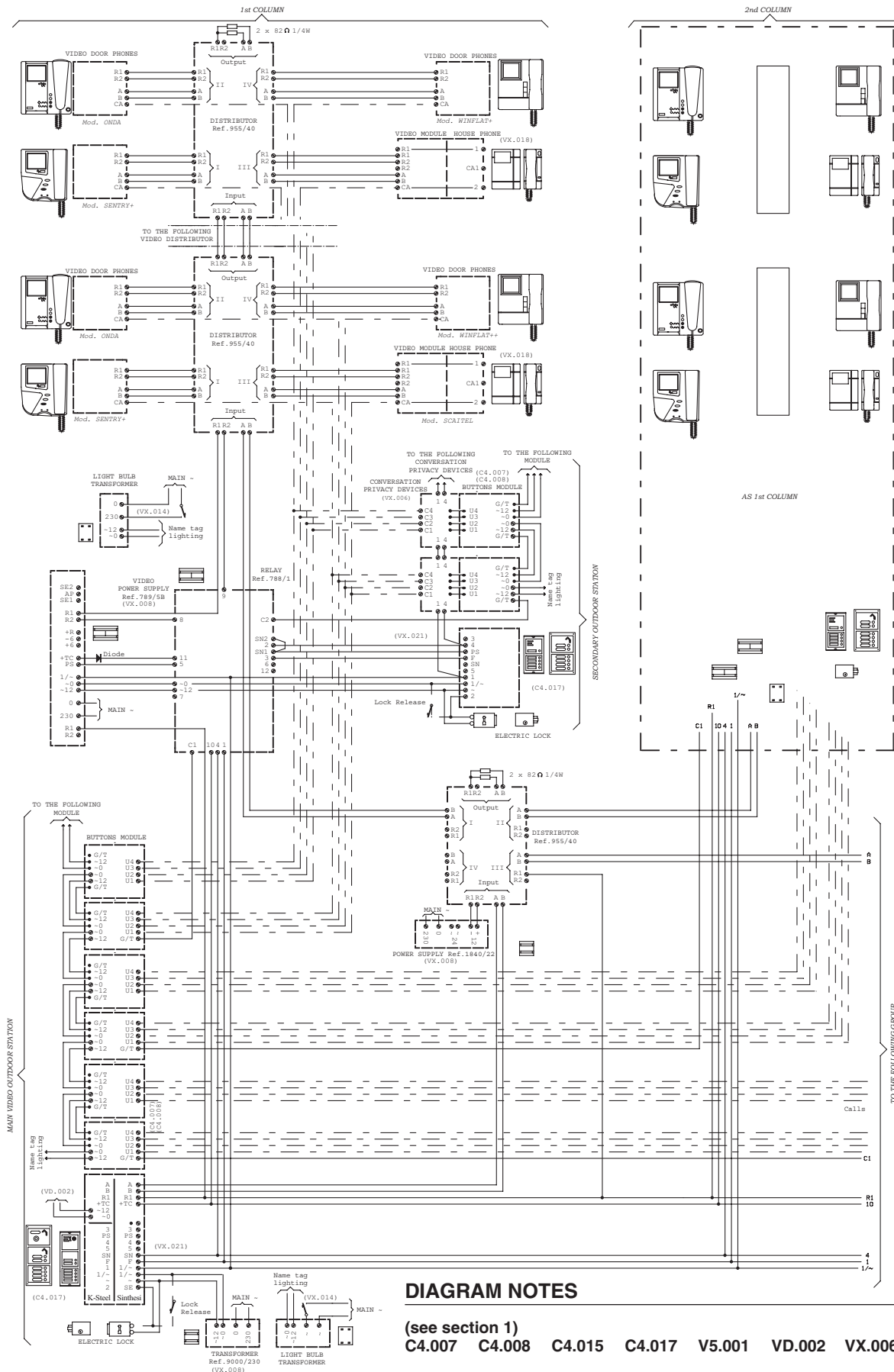
Connect the following jumpers on the device:

- a) 4 with 4  
b) 1 with 1/1~  
c) 4 with 4

# CONNECTION OF SEVERAL SETS OF VIDEO DOOR PHONES TO A COMMON VIDEO OUTDOOR STATION

Each group is also connected to its own secondary outdoor station  
Mod. SINTESI or Mod. K-STEEL

SV102-3094A



## DIAGRAM NOTES

(see section 1)

C4.007 C4.008 C4.015 C4.017 V5.001 VD.002 VX.006 VX.008 VX.014

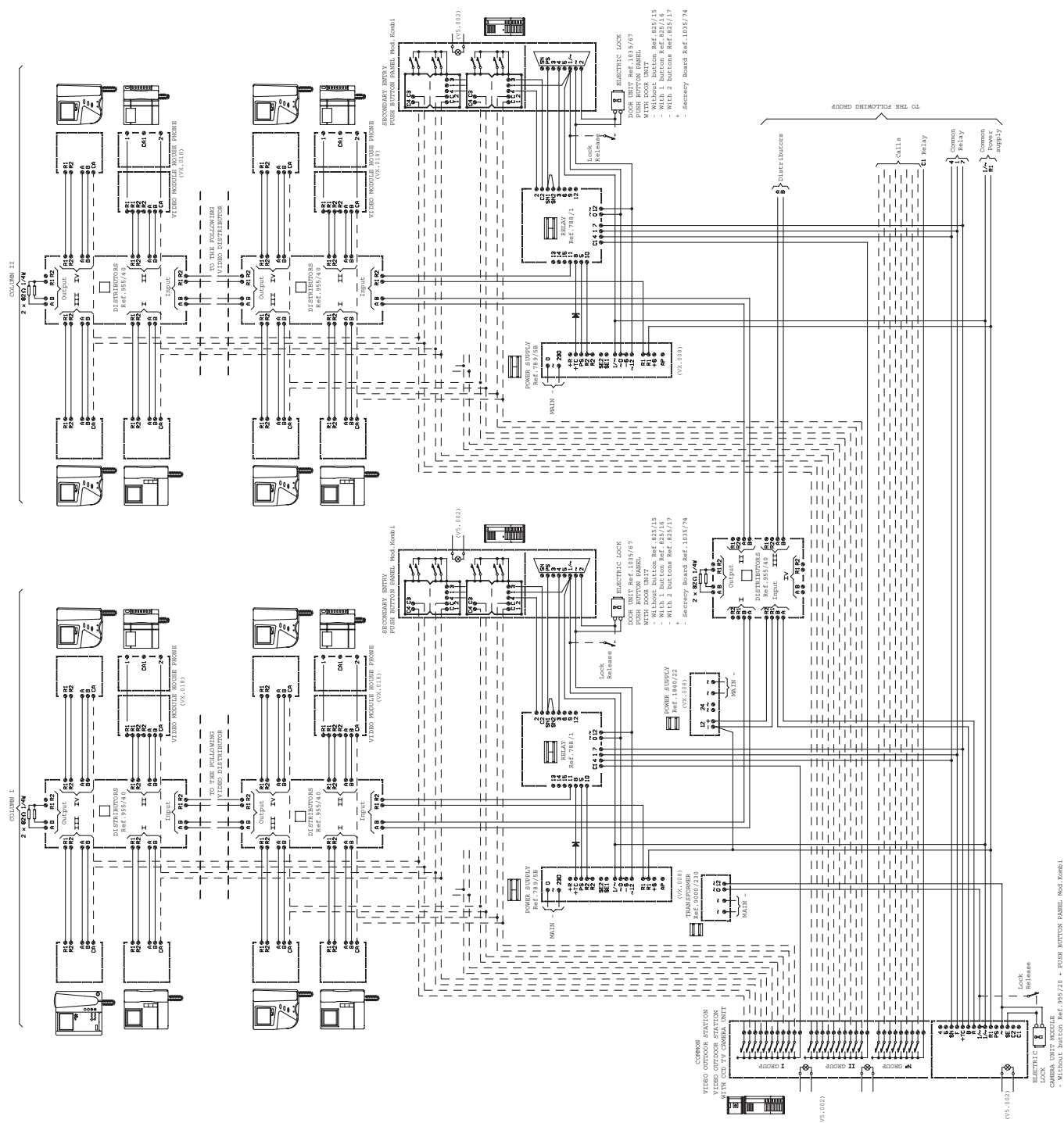
VX.018 Connect the following jumpers on the device: a) R1 with 1 b) CA with 2

VX.021 Cut or remove the jumpers on the device(s): 4 and F

**Each group is also connected to its own secondary outdoor station**  
**Mod. KOMBI**

urmet  
DOMUS

SV102-0648E



(see section 1)

V5.001

V5.002

VX.008

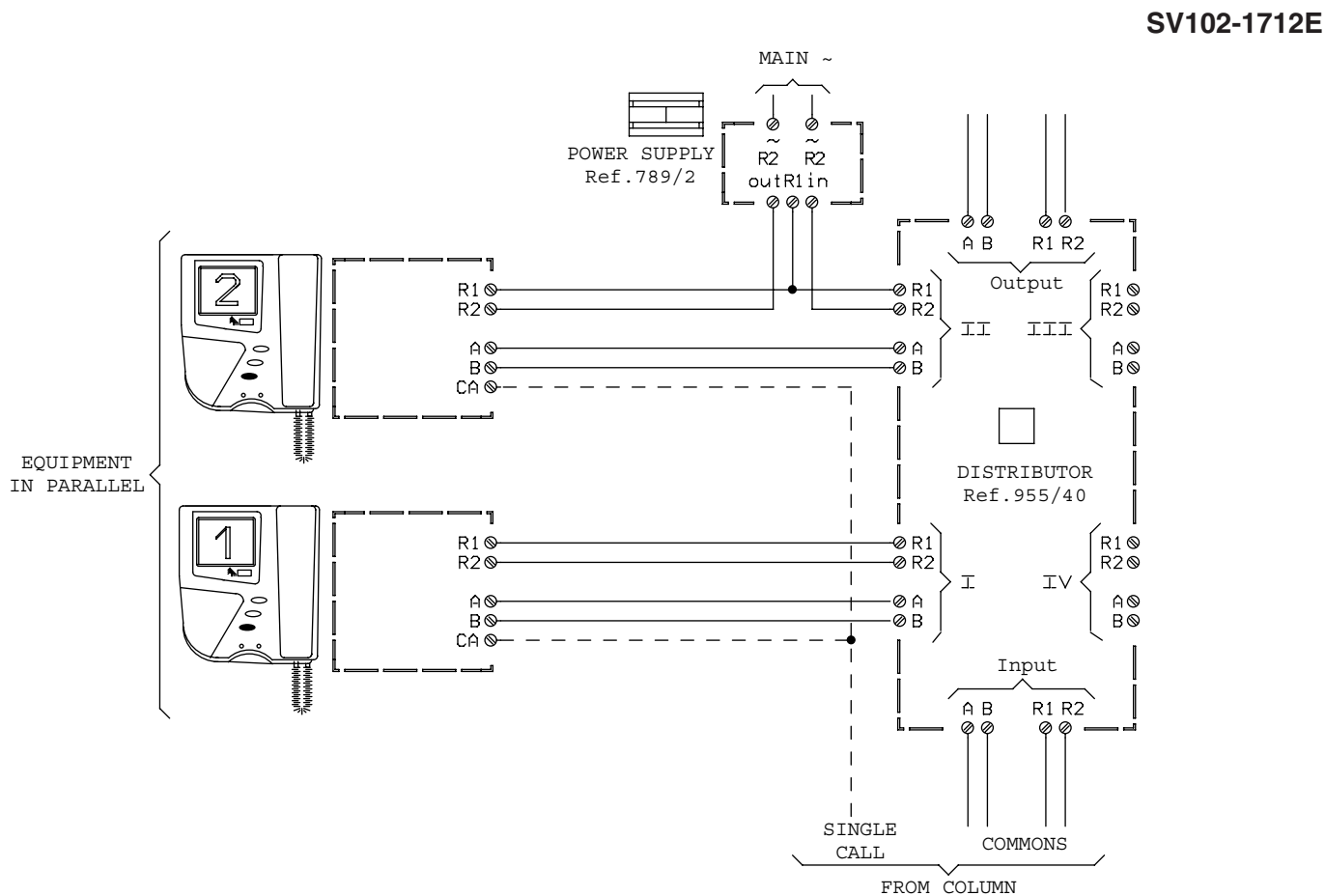
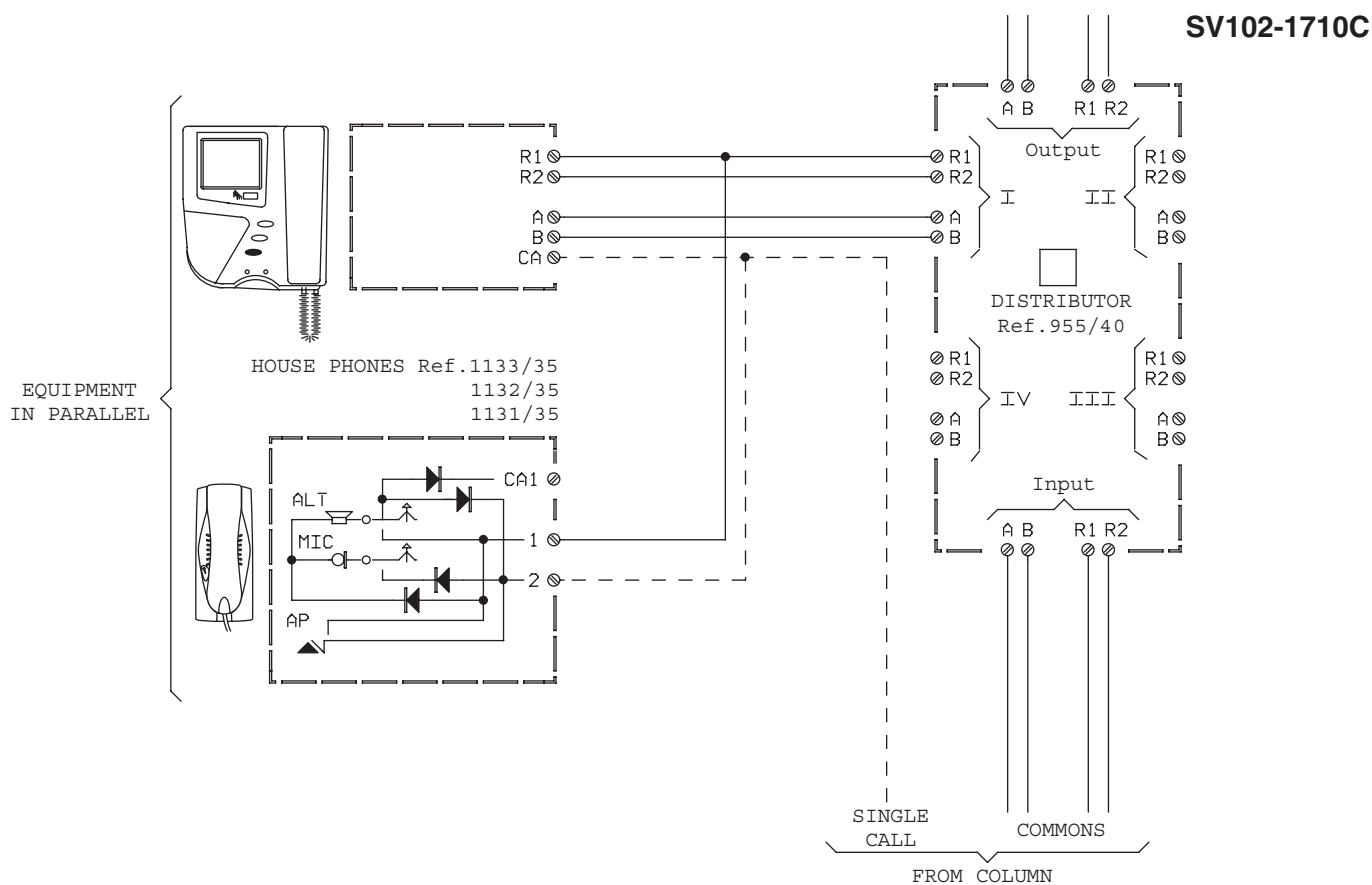
**VX.018**

Connect the following jumpers on the device:

- R1 with 1
- CA with 2



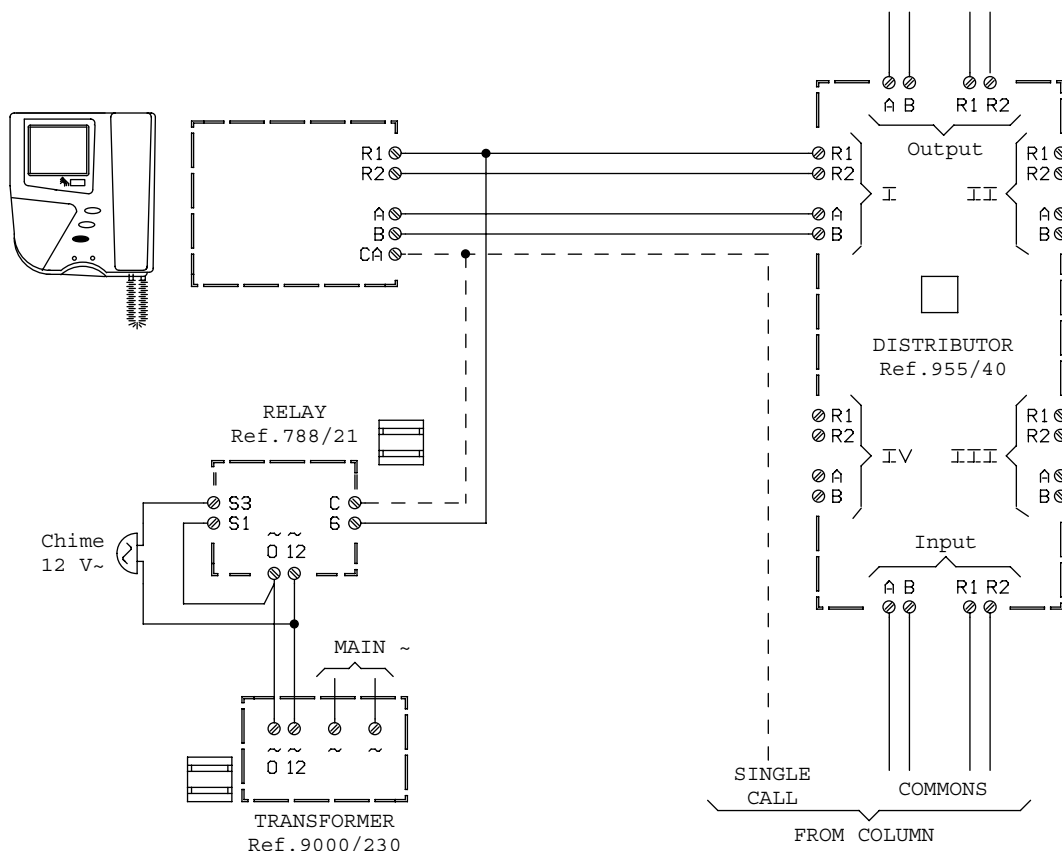
**BLACK AND WHITE VERSION**  
**CONNECTION OF MAXIMUM ONE HOUSE PHONE IN PARALLEL TO A VIDEO**  
**DOOR PHONE**  
**CONNECTION OF MAXIMUM TWO VIDEO DOOR PHONES IN PARALLEL**



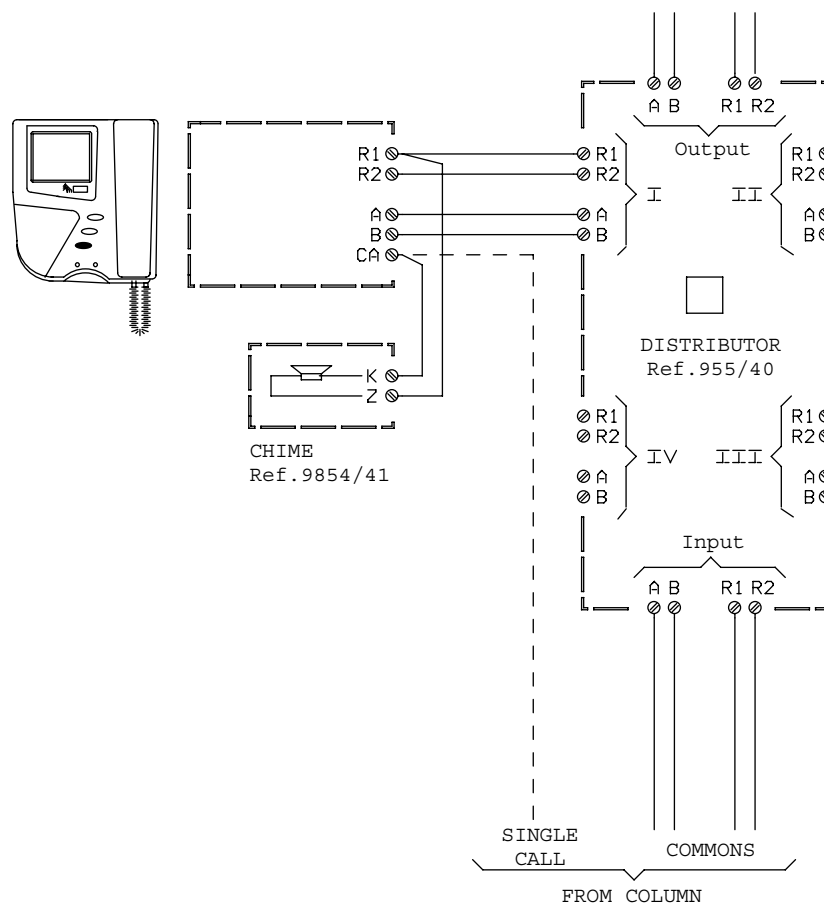
# CONNECTION OF A CALL REPEATER RELAY FOR OPERATING ADDITIONAL RINGER CONNECTION OF AN ADDITIONAL RINGER Ref. 9854/41 IN PARALLEL TO VIDEO DOOR PHONE CALL

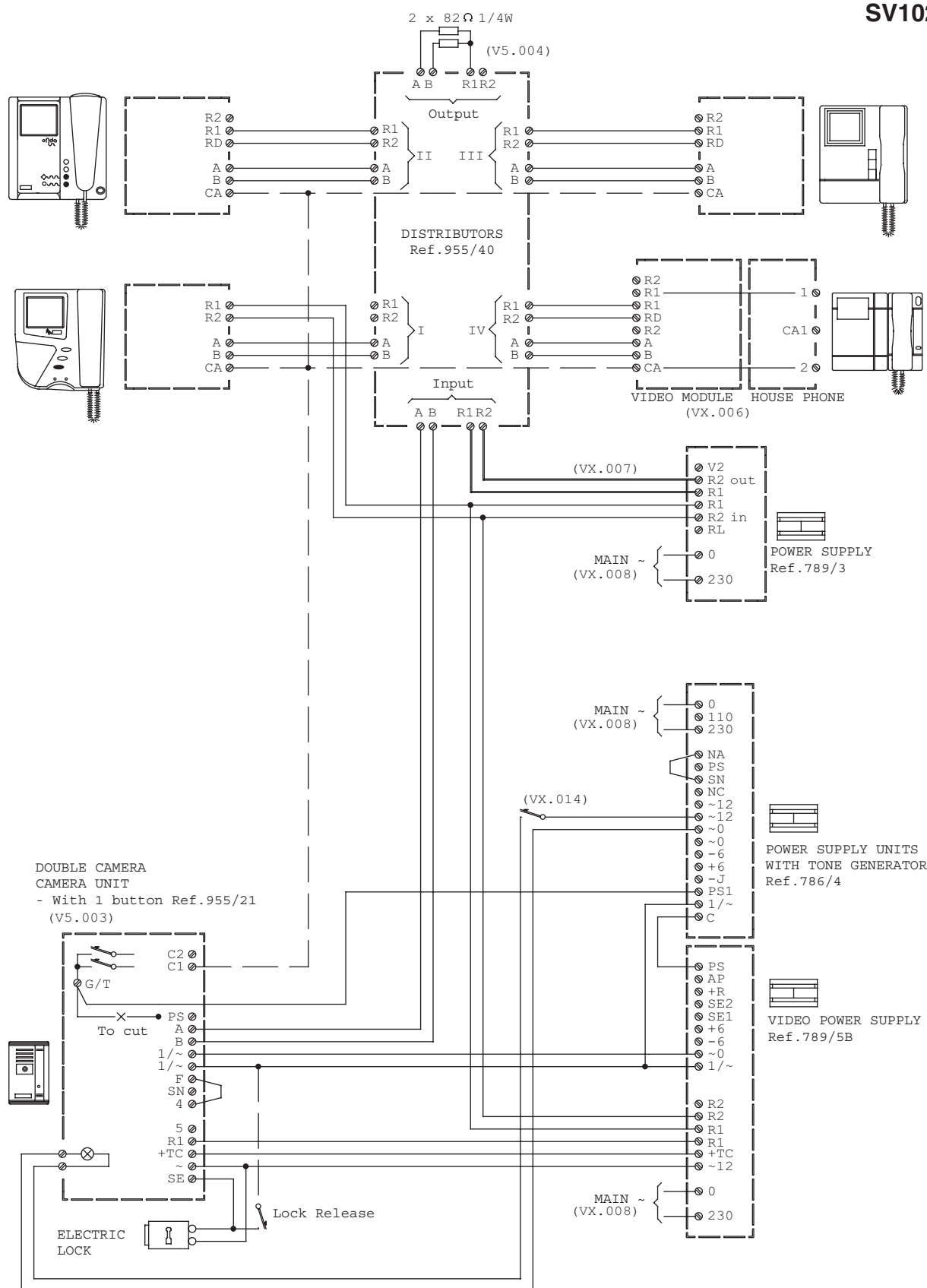
**urmet**  
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## SV102-1470B



## SV102-1762B





### DIAGRAM NOTES

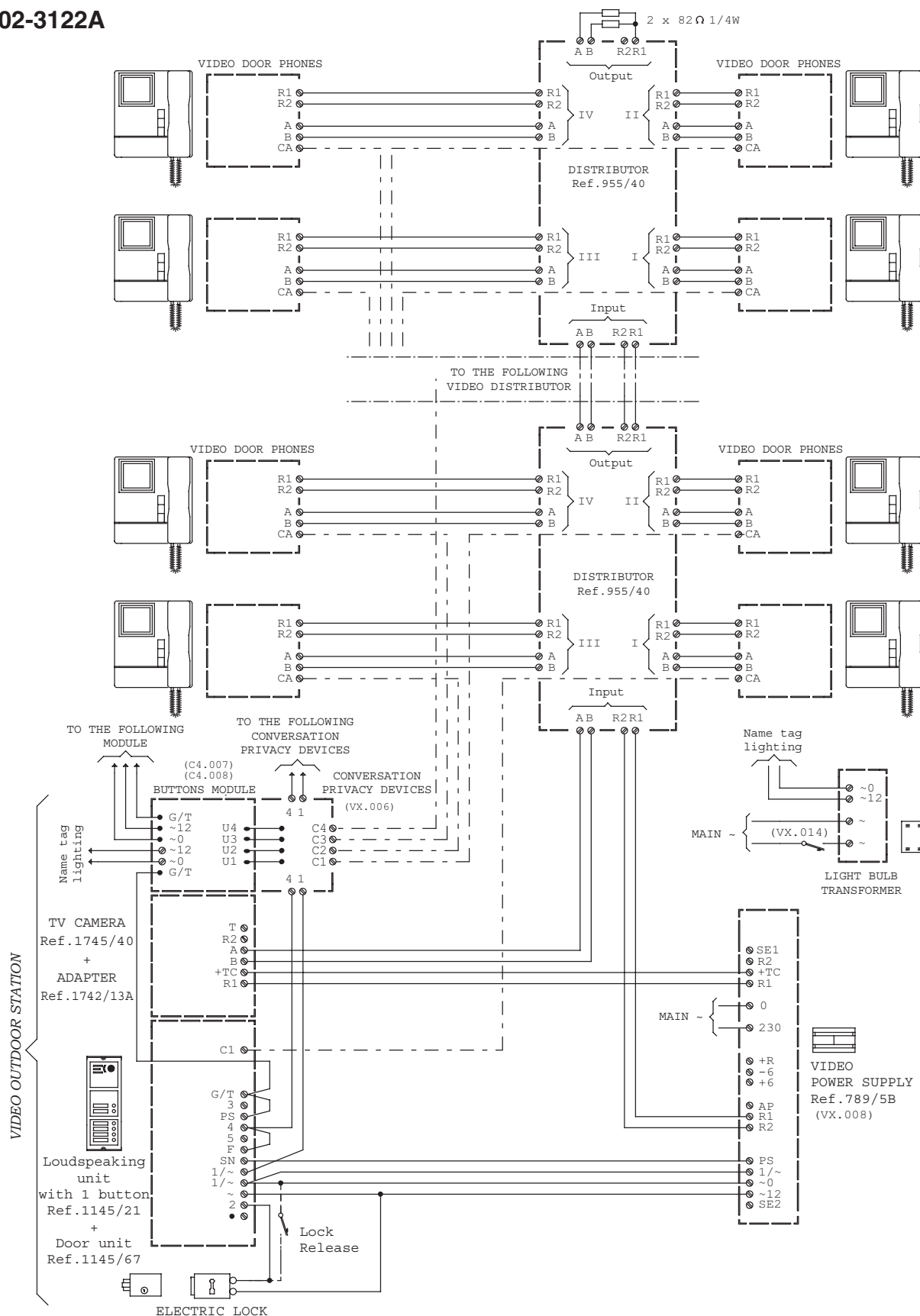
(see section 1)

|        |        |
|--------|--------|
| V5.003 | VX.006 |
| V5.004 | VX.007 |
| VX.008 | VX.014 |

# CONNECTION OF SEVERAL WINSPOT+ VIDEO DOOR PHONES TO 1 SINTHESI COLOUR VIDEO DOOR UNIT

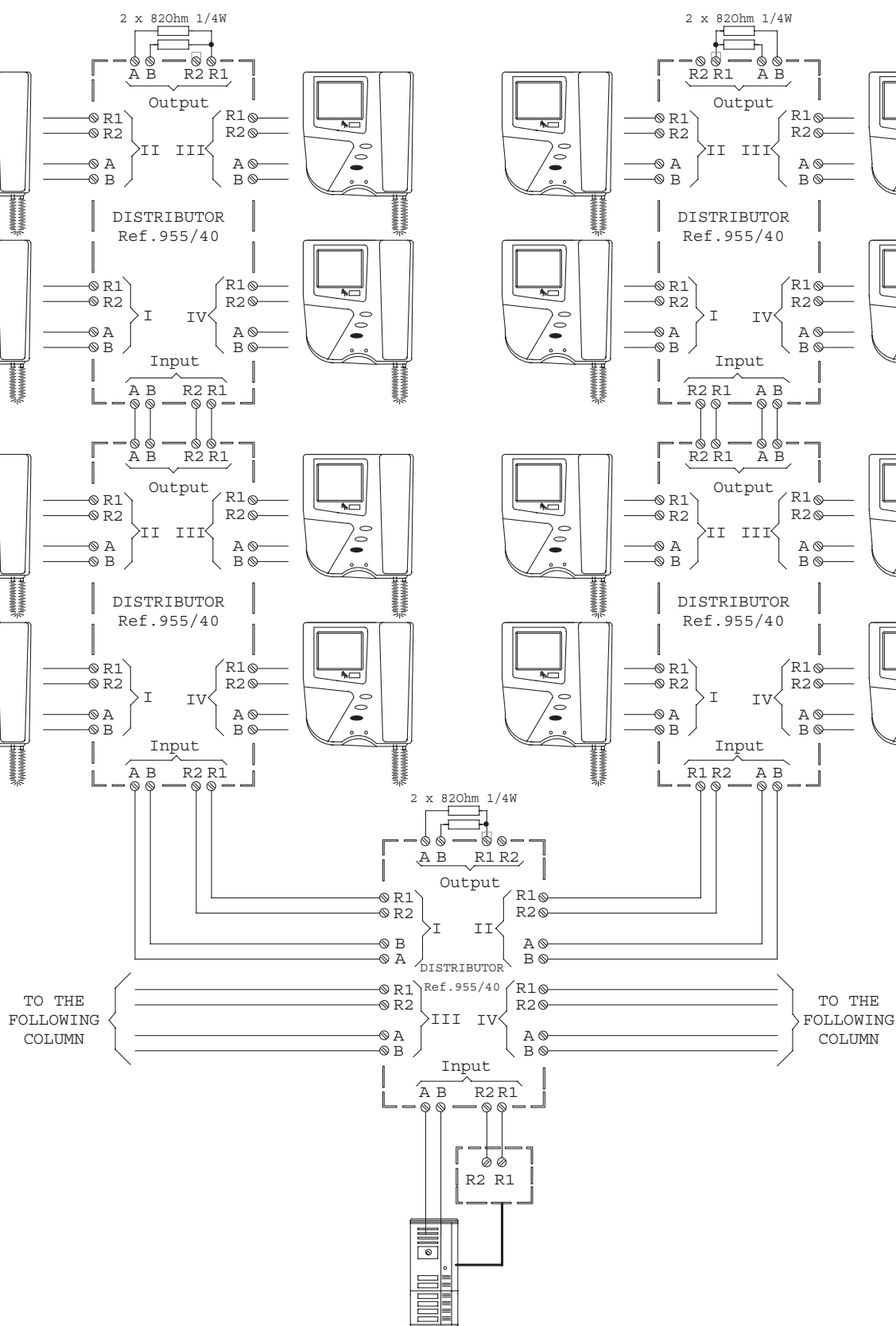
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## SV102-3122A



### DIAGRAM NOTES

(see section 1)  
 C4.007 C4.008 C4.015  
 V5.001 VD.002 VX.006  
 VX.008 VX.014



The video power unit Ref. 789/5B can power up to 8 video distributors Ref. 955/40 if Winflat+, Winspot+ or Scaitel monitors are not installed in parallel in the system.



# **INSTRUCTIONS FOR INTERCHANGE OF VARIOUS POWER SUPPLIES AND MONITORS**

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**INSTRUCTIONS FOR INTERCHANGE OF  
VARIOUS POWER SUPPLIES AND MONITORS**

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**USE OF VIDEO POWER SUPPLY Mod. 789/1A AS REPLACEMENT TO  
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TO Ref. 789 AND 789/1**

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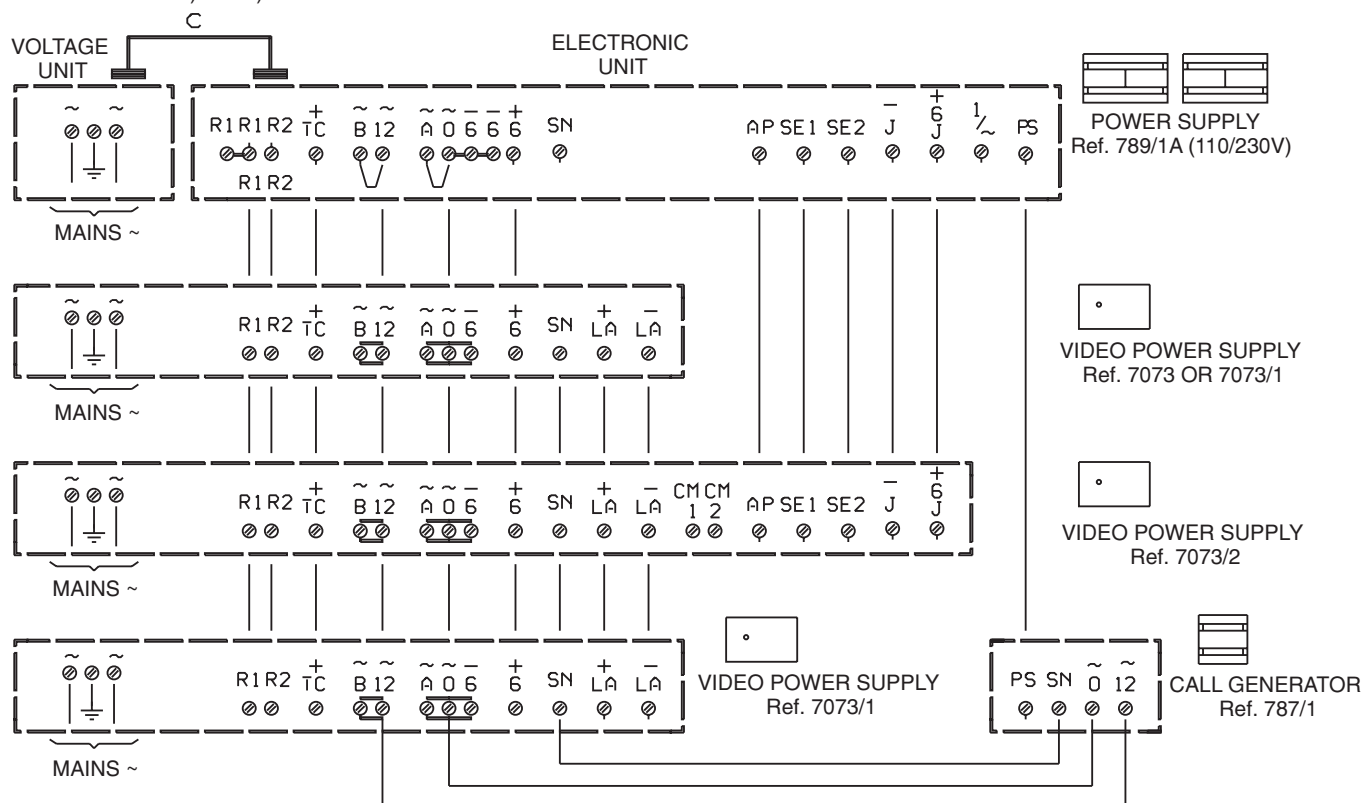
### POWER SUPPLY Mod. 789/1A

The power supply Mod. 789 replaces the previous power supplies **Ref. 7073, 7073/1, 7073/2** for all uses, except for:

- 1) System with Vidicon TV camera: the power supply Mod. 789 has not output **+LA -LA** for the feeding of the lighting lamps.
- 2) Systems with continuous lighting up.
- 3) Systems arranged for the sub-lighting of 20 monitors.
- 4) System with simultaneous operation of 2 or more monitors: in this case feed the additional monitors by means of power supply Ref. 789/2 (1 for each monitor).

**ATTENTION:**

To resolve cases 1) and 2) contact the Technical Assistance Center.



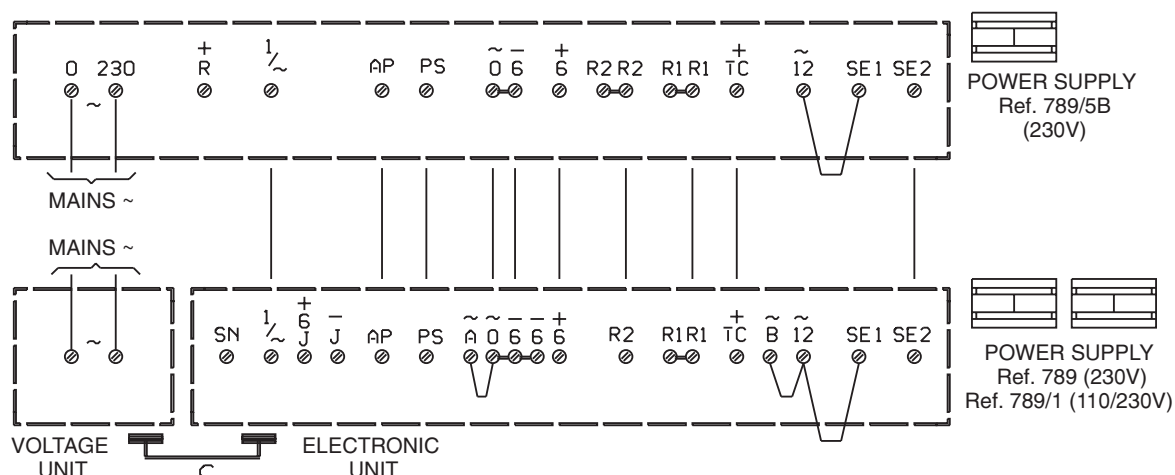
### POWER SUPPLY Mod. 789/5B

The characteristics of the Ref. 789/5B power supply are as follows:

- 1) It operates only with a supply voltage of 230 V
- 2) It can be used only in Video house phone systems with electronic call system (it has only the PS output and not the SN)
- 3) It can power switching on (V2) of only two monitors
- 4) It can power up to 10 video distributors
- 5) It is without the -J output for the intercom service

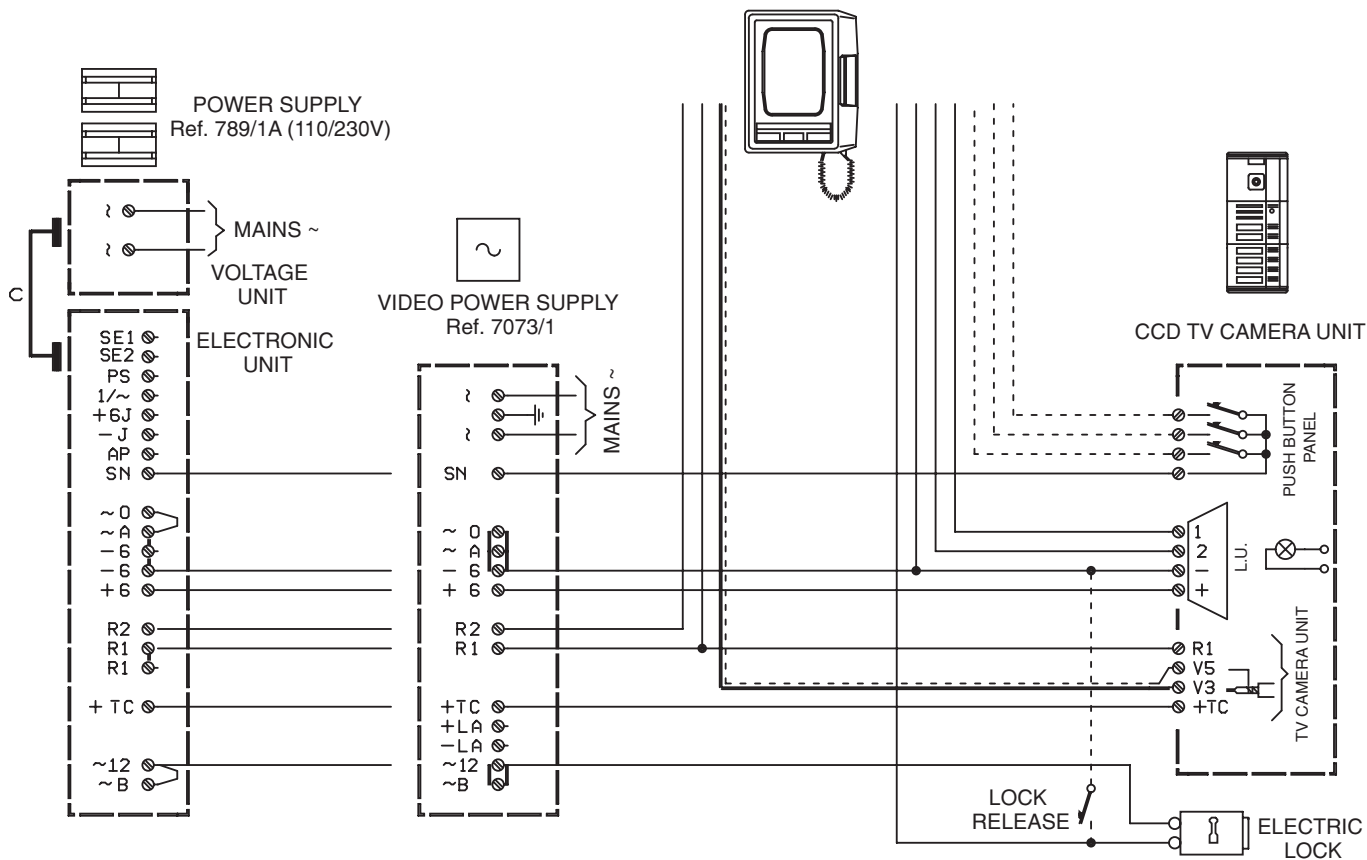
It can therefore replace the **Ref. 789/1** power supplies only in installations with the above mentioned characteristics and limitations.

In these cases, the terminals correspond as follows:



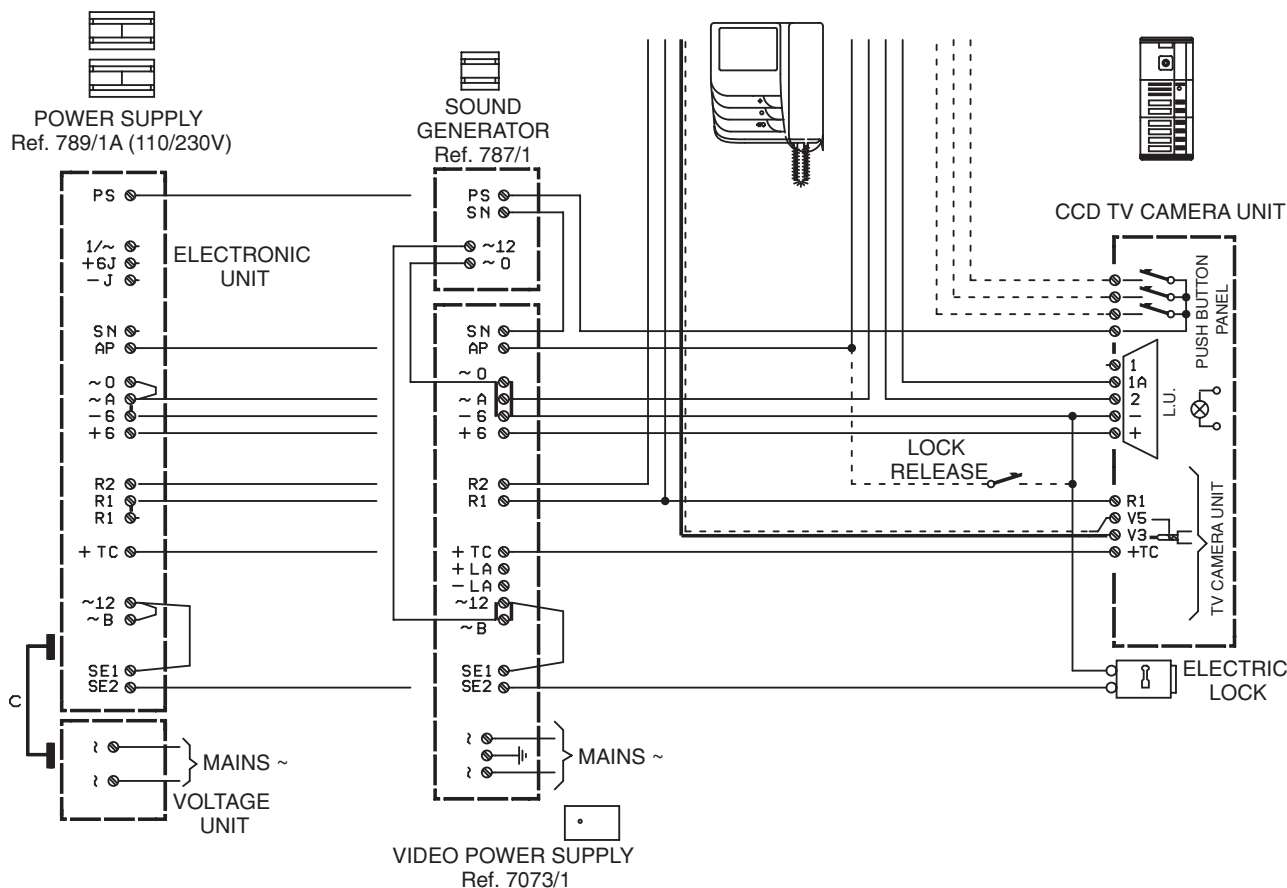
**CONNECTION OF POWER SUPPLY Mod. 789/1  
AS REPLACEMENT FOR POWER SUPPLY Ref. 7073**

**INSTALLATIONS WITH SENTINEL- EXPLORER- RANGER AND VIDEO OUTDOOR STATIONS WITH CCD TYPE TV CAMERA ONLY**



**SYSTEMS WITH SCOUT AND CCD TV CAMERA UNIT WITH CCD TYPE TV CAMERA ONLY**

The sound generator Ref. 787/1 is not used because it is replaced by the generator inside the power supply Mod. 789. During installation make a jumper between terminals SE1, ~12.

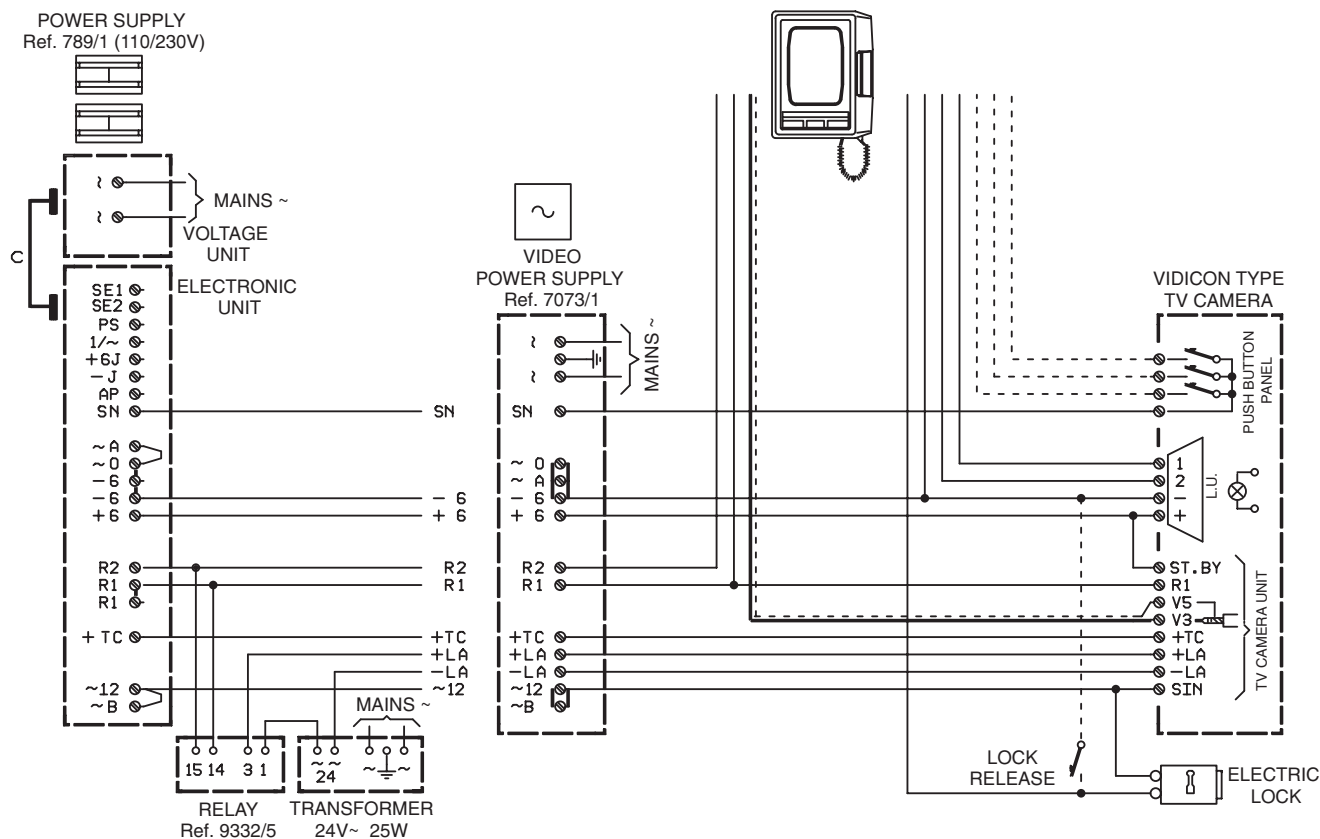


# CONNECTION POWER SUPPLY Mod. 789 AS REPLACEMENT OF POWER SUPPLY Ref. 7073

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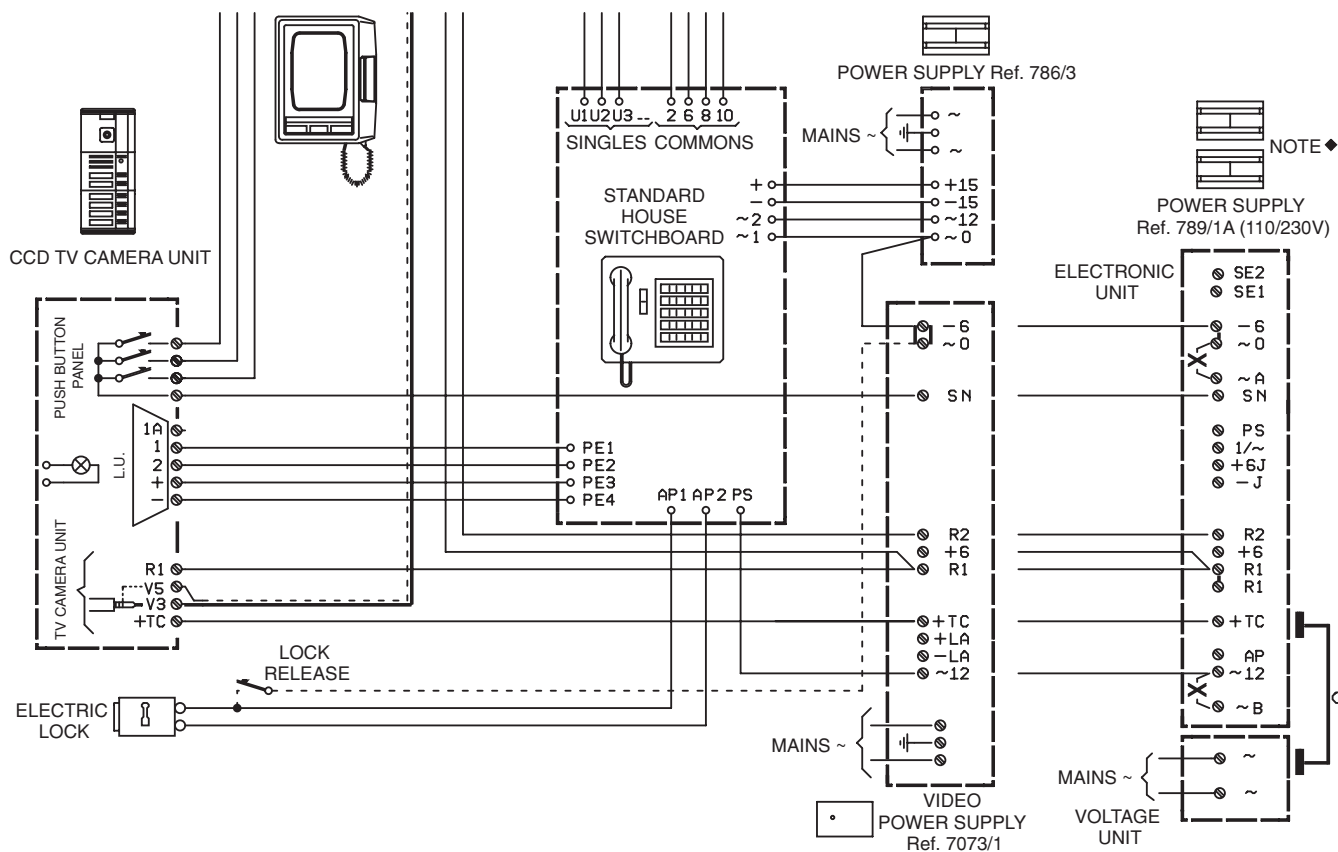
## INSTALLATIONS WITH SENTINEL- EXPLORER- RANGER AND VIDEO OUTDOOR STATIONS WITH VIDICON TYPE TV CAMERAS

The Mod. 789 power supply without the +LA e -LA outputs. To power the lights, an auxiliary ~24 V transformer with minimum 24 W (not supplied) and a Ref. 788/5 control relay must be used.



## SWITCHBOARD TYPE INSTALLATION WITH SENTINEL- EXPLORER- RANGER AND VIDEO OUTDOOR STATION WITH CCD TYPE TV CAMERA ONLY

During installation, cut the existing jumpers between terminals ~A, ~0 and between ~B, ~12. on power supply Mod. 789.



### CONVENTIONAL INSTALLATIONS WITH RANGER MONITOR

#### WINFLAT+ Ref. 1202/590 BRACKET FOR ADAPTATION ON RANGER INSTALLATIONS

In a video house phone installation with conventional call system, the Ref. 1201/1 Ranger monitor (and related bracket Ref. 1201/90), can be replaced with the Winflat+ Ref. 1202/1A monitor equipping this with the specific Ref. 1202/590 bracket.

On the Ref. 1202/590 bracket, the terminals have the same numbers as the Ref. 1201/90 bracket so that the replacement can be made simply connecting the wires in the same way.

It should be noted that replacement is possible only in installations that include the basic Ranger Ref. 1201/1 with bracket Ref. 1201/90, while it is not possible in installations with switchboard, special and intercom installations because the Ref. 1202/590 bracket is not suitable for replacement of the special Ref. 1201/761, Ref. 1201/711, Ref. 1201/731, Ref. 1201/751 brackets.

### CONVENTIONAL INSTALLATIONS WITH EXPLORER, VEDETTE, SENTINEL, VIDOFOONO MONITORS

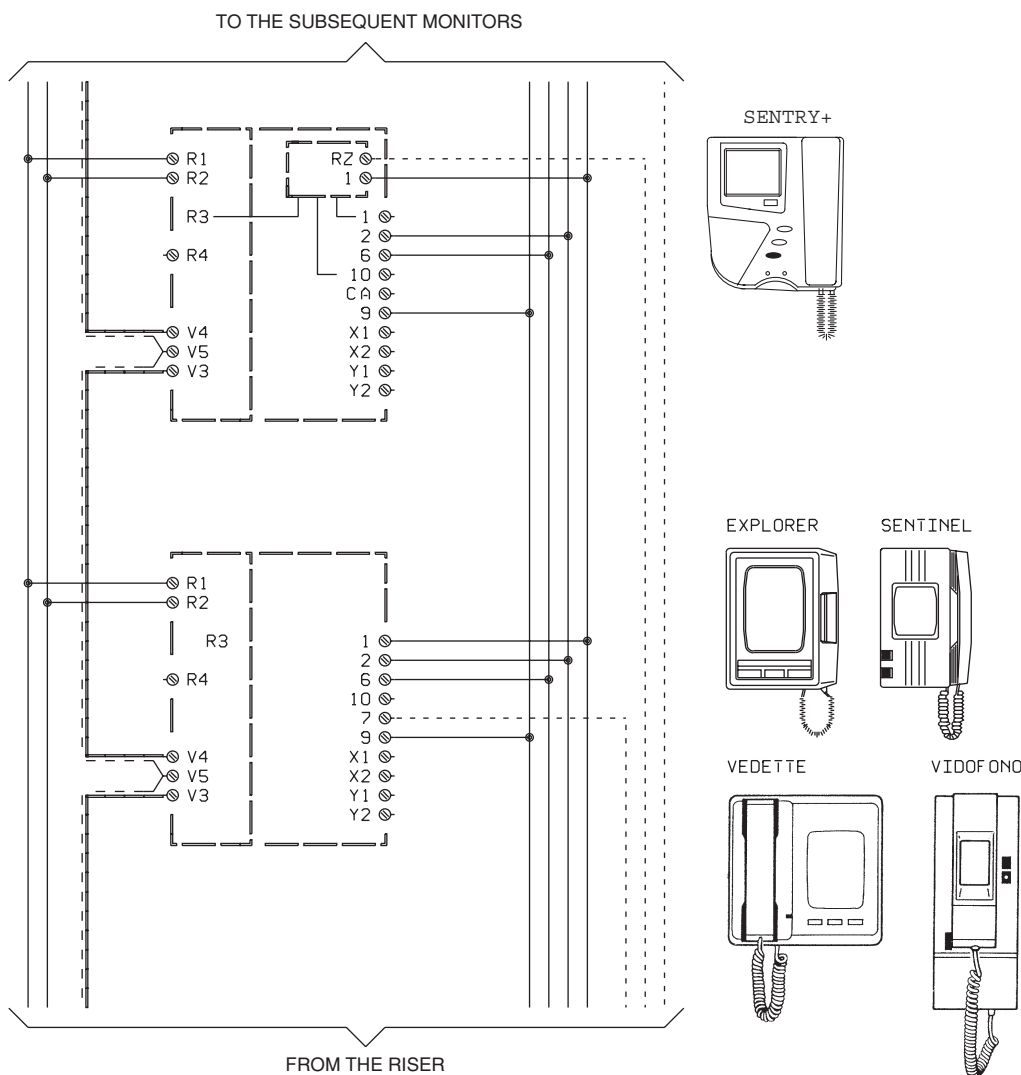
#### SENTRY+ MONITOR WITH Ref. 1704/20A BRACKET FOR ADAPTATION ON EXPLORER, VEDETTE, SENTINEL, VIDOFOONO INSTALLATIONS

In a video house phone installation with conventional call system, the EXPLORER, VEDETTE, SENTINEL, VIDOFOONO monitors can be replaced with a SENTRY+ Ref. 1704/20A. The SENTRY+ Ref. 1704/20A is equipped with a 4.5" CRT screen with the longest side arranged horizontally. On the bracket of the SENTRY+ Ref. 1704/20A, the terminals have the same numbers as the as the EXPLORER, VEDETTE, SENTINEL, VIDOFOONO terminal blocks so that the replacement can be made simply connecting the wires in the same way.

This monitor can be used only in conventional type basic installations (with 12 Vac call); it cannot be used in installations with switchboard or intercom systems because the bracket is not suitable for replacement of all the versions.

The SENTRY+ Ref. 1704/20A is complete with bracket and is furnished in white. Viewing of the image is of the Reflex type while image brightness can be adjusted using the specific control. The call is made on the buzzer mounted on the bracket. Release of the lock can be activated using the key with the "key" symbol while the two "♦" and "●" service keys can be used to activate accessory circuits.

The SENTRY+ Ref. 1704/20A monitor is able to display the image coming from a TV camera set to view a field with the largest side arranged vertically. This feature causes a 25 - 30% reduction in the field viewed compared with the EXPLORER, VEDETTE, SENTINEL, VIDOFOONO monitors.

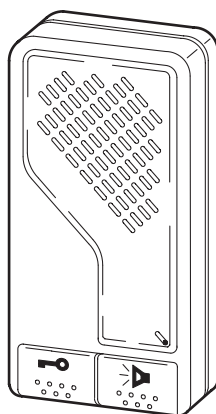




# FREE-HANDS SYSTEMS

## Mod. 752

### **duo**<sup>®</sup>



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## FREE-HANDS SYSTEMS Mod. 752

The system offers typical free-hands features, i.e.:

- electronic call from the outside push button panel to the indoor set;
- conversation from outdoor station to indoor station and vice versa;
- electric lock opening from the indoor set;
- possibility of an additional electric control from the indoor set (for example for stairs lighting).

The following installation are only possible:

- connection to 1 outdoor station;
- connection to 2 outdoor stations with automatic switching.

For the 1 outdoor station system, the secrecy of conversation function is foreseen to be made with two accessories:

- secrecy device for indoor set Ref. 752/5;
- switch-off device for push button panel Ref. 5330/60.

The secrecy of conversation function requires a wire more than the normal system in the cable conduit. The phone yield of the new system is higher, since a duplex telephone wiring with electronic balancing has been used. In the case of "speech" on one of the two channels, balancing drastically reduces the other channel, this avoiding the Larsen effect.

The transmission and reception levels are calibrated on optimum value during production. The installer can only adjust amplification towards the outside by acting on the potentiometer mounted in the loudspeaker module Ref. 752/75. Amplification towards the indoor set is not adjustable.

The new indoor set Ref. 752/23 and Ref. 752/231 is compatible and interchangeable with the previous indoor sets Ref. 4340/23, and Ref. 4340/231, the same for the power supply.

Also the outdoor set is electrically compatible with the previous loudspeaking unit Ref. 4330/27, but since it is mounted on Kombi push button panel modules, it is not mechanically compatible, therefore the push button panel shall be replaced too.

## GENERAL INSTALLATION RULES

For a correct installation of systems the following must be kept in mind:

- system wires must be introduced into metal or plastic tubes, where there shall be no other wire, such as stairs lights lifts, or energy distribution net wires;
- use twisted coupled wires from power supply to outdoor set:
  - one couple from microphone MIC;
  - one couple for loudspeaking receiver ALT.
- system wires diameter depends on connections lengths, as shown in the side table.

|                                | Section<br>mm <sup>2</sup> | Diameter<br>mm | Distance<br>m |
|--------------------------------|----------------------------|----------------|---------------|
| <b>Speech circuit and call</b> | 0,5                        | 8/10           | 50            |
|                                | 0,5                        | 8/10           | 100           |
|                                | 0,8                        | 10/10          | 200           |
|                                | 1                          | 12/10          | 300           |
| <b>Door opener</b>             | 0,5                        | 8/10           | 50            |
|                                | 0,8                        | 8/10           | 100           |
|                                | 1                          | 8/10           | 200           |
|                                | 1,6                        | 8/10           | 300           |

During power supply installation make a jumper between terminals 6 and ~12. Calls from the outdoor station come directly on the indoor set loudspeaker operated by means of a determined frequency.

Also foresee wires for push button panel lamps lighting with a separate transformer of adequate power (up to 2 lamps, the system power supply can be used) and wires for electric lock opener button next to the door.

## PUSH BUTTON PANEL

Duo system Mod. 752 foresees the use of the Kombi modular push button panel Mod. 825 only.

Kombi system is based on extruded aluminium modules that can be fitted on special frames complete with embedding box. The embedding boxes can be coupled horizontally by means of plastic spacers; through this system it is possible to compose push button panels of all types and configurations, with the smallest number of components.

The system may be used in the following versions:

- wall embedding;
- wall surface mounting.

Kombi system foresees the following accessories:

- embedding frame: embedding wall mounting version
- anti-rain hood covers: compete with embedding frame for embedding wall mounting version
- housings with hood cover: wall surface mounted version complete with embedding frame and module frame

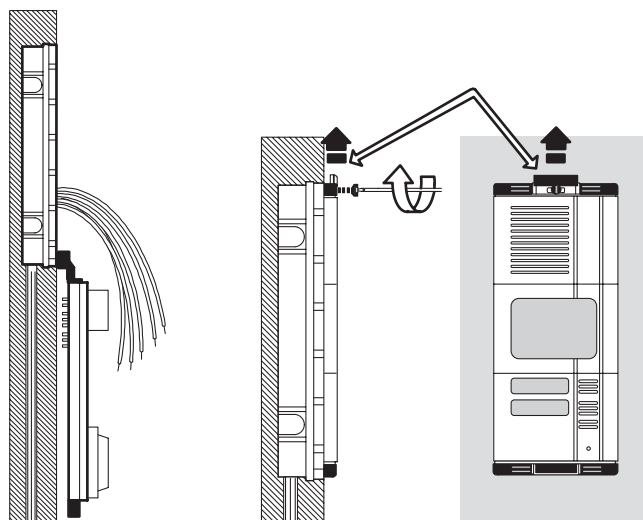
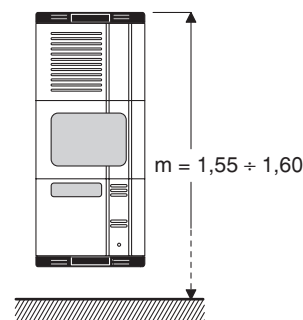
Description of components and accessories for installing the panel are shown in the section "2d - Kombi panels".

For further details on Kombi push button panel assembly and installation, consult the relevant documentation.

In order to avoid Larsen ("whistle") effect, the two outdoor set modules shall not be mounted one near the other, but kept separated by a key or repertory module.

## INSTALLATION

The recommended height for installing the push button panel is approximately 1.55 m from the ground.





## FREE-HANDS SYSTEMS Mod. 752

### FREE-HANDS DOOR UNIT - DUO INDOOR SET

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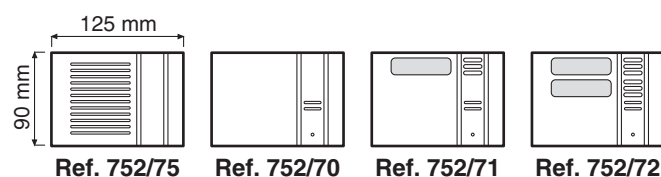
## FREE-HANDS DOOR UNIT

The outdoor set of the system Mod. 752 is exclusively made of two (separate) modules of the Kombi push button panel line; therefore it cannot be inserted into the normal push button panels Mod. 725.

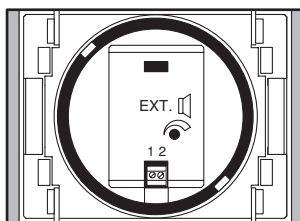
The Two-channel Kombi outdoor set consists of:

- Loudspeaker module without buttons **Ref. 752/75**
- Microphone module with 1 stair light key **Ref. 752/70**
- Microphone module with 1 call key and 1 stair light key **Ref. 752/71**
- Microphone module with 2 call keys and 1 stair light key **Ref. 752/72**

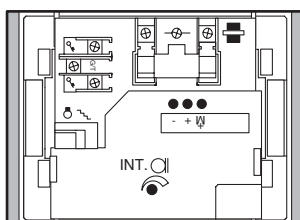
In order to avoid Larsen ("whistle") effect the two modules shall not be mounted one near the other, but they have to be kept separate by a key or repertory module.



Transmission and reception values are factory set to optimal levels. Amplification towards the outside can be adjusted using the trimmer inserted in the Ref. 752/75 loudspeaker module.



The inwards amplification cannot be adjusted. The potentiometer inserted in the microphone module acts on the inwards transmission level only when it is used as spare part in the previous Superjolly systems where terminal + shall be connected instead of +M.



## INTERCHANGEABILITY

The outdoor set is electrically compatible and interchangeable with the previous loudspeaking unit Ref. 4340/27, but it is not mechanically interchangeable since it is mounted on Kombi modules. It will be therefore necessary to replace also the push button panel.

## DUO INDOOR SET

Duo indoor set Mod. 752 utilizes, as transmitting capsule, an electret microphone that guarantees a more constant and linear transmission. It is arranged to receive the call directly on the loudspeaker with a bitonal sound supplied by the power supply.

Duo indoor set is foreseen for two way of installation:

- wall surface mounting;
- wall embedding.

All connections to the line are made after Duo base has been fixed to the wall, thus simplifying all operations.

Duo is foreseen in the versions:

- for normal outdoor station system;
- for outdoor station systems, with 1 additional key, with 1 conversation key and 1 door opener key
- with 1 conversation key, 1 door opener and 1 key for special services

**Ref. 752/23**

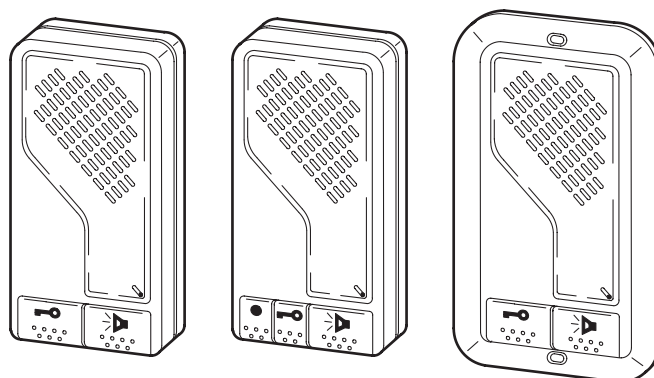
**Ref. 752/231**

The normal version is equipped with two keys:

- a conversation key;
- a door opener key.

The version with additional key is equipped with three keys:

- a conversation key;
- a door opener key;
- a further key for special services (for example for stairs lighting).



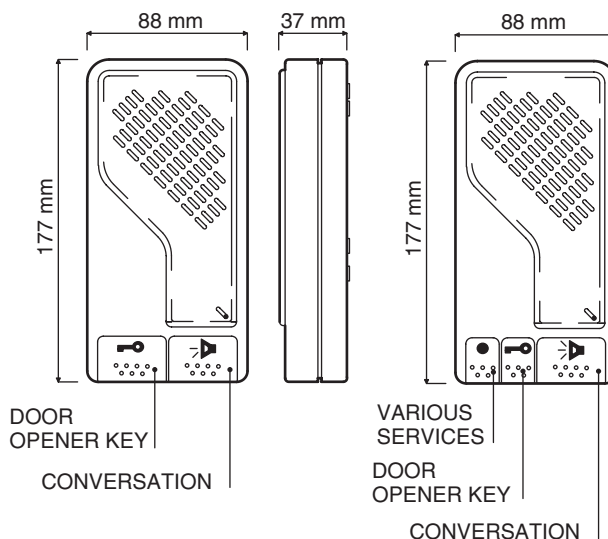
## INTERCHANGEABILITY

Duo indoor set **Mod. 752 is interchangeable** with the previous models: Jolly and Superjolly 1st series with carbon transmitting capsule, and Superjolly 2nd series.

**It is not interchangeable with jolly model with loudspeaker instead of carbon capsule.**

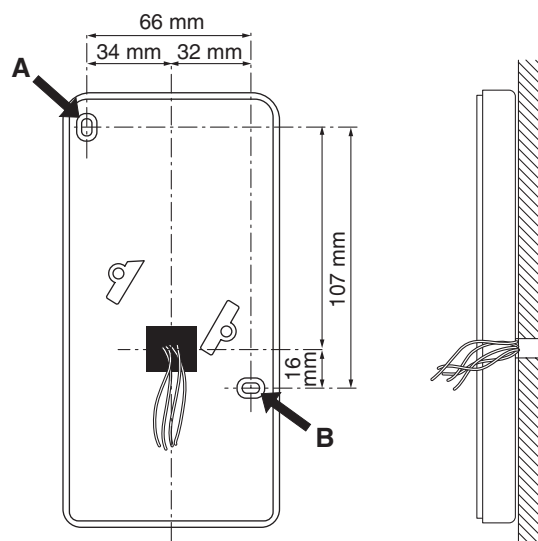
The fact that the duo is not equipped with a buzzer but only pre-engineered to receive the external call directly on the loudspeaker by means of a two-tone signal provided by the power supply is very important. In the case of replacement of the Jolly and in Superjolly 1st series systems where the call is sent to the buzzer (terminal RZ), the electronic buzzer Ref. 9854/52 must be inserted inside the duo. A terminal of the buzzer must be connected with terminal 6 of the duo; the other terminal must be connected to the call wire that, in old house phones, was connected to the RZ terminal. In the case of replacement of Superjolly 2nd series, the buzzer is not required as the call wire in both systems is sent to terminal CA.

## WALL SURFACE MOUNTING VERSION

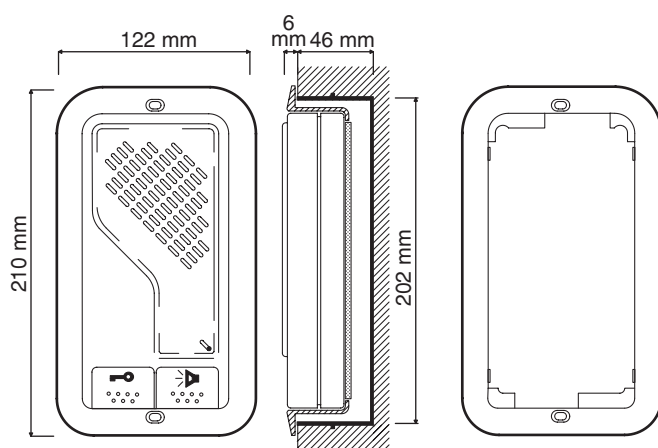


To fix Duo to the wall, it is necessary to prearrange two nogs in correspondence of two holes placed on the horizontal **A** and on the vertical **B**.

The central zone indicates the space for wire input.



### WALL EMBEDDING VERSION



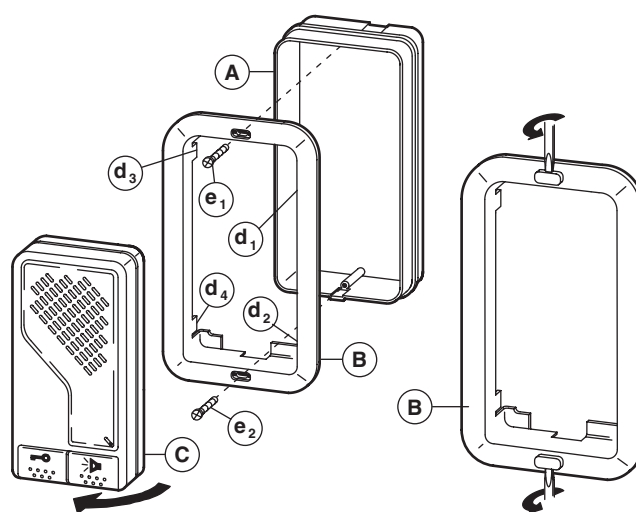
For this way of installation use the proper:

- embedding box
- frame

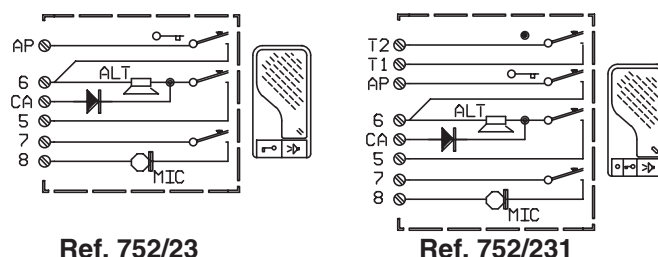
Ref. 4328/16  
Ref. 752/1

The operations to be performed are the following:

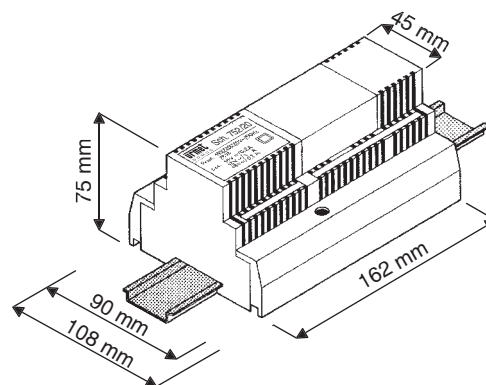
- embed box **A**. Plaster should be leveled or stick out the edge of the box 1 cm max.;
- remove the screw caps of the frame **B** by means of a screwdriver
- fix the frame to the embedding box by means of the two screws **e1** and **e2**;
- remove the indoor set front plate to have access to connection terminals. The front plate is hinged to the base in the upper side and fixed by a snap-system in the lower side. To remove it, hold the base with one hand and pull the front plate outwards with the other hand (or exert leverage with a screw driver in the specific slots);
- make the connections;
- replace the front plate;
- insert indoor set **C** into frame **B**. The indoor set will be snapped by means of four clips: **d1** - **d2** - **d3** - **d4**.



### DUO INDOOR SET INTERNAL CONNECTION



### POWER SUPPLY Ref. 752/20



The power supply Ref. 752/20 consists of:

- 28 VA transformer;
- primary 110-230V;
- secondary 12 V, 1 A (supply for door opener and buzzer terminals 0 and 12.);
- secondary 18 V, 0.2 A (terminals 0 and 18);
- secondary 15V d.c., 0.2 A (connected internally - supply for amplifying circuits);
- output for bitonal call on loudspeaker with F1= 1200Hz, F2 = 1800Hz with sweep rate 10-20Hz;
- inwards amplifier (input terminals 3-4, output terminals 5-6);
- outwards amplifier (input terminals 7-8, output terminals 1-2).

The power supply can be mounted on drawn bars according to 'DIN 46277' specifications or fixed to the wall by means of two screws and nogs.

The length of 162 mm corresponds to 9 modules of 18 mm each, in accordance with 'DIN 43880' specifications.



## FREE-HANDS SYSTEMS Mod. 752

SECURITY OF CONVERSATION DEVICE Ref. 752/5 - ADDITIONAL ELECTRONIC BUZZER Ref. 9854/52  
CALL REPEATER RELAY Ref. 788/21

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### INTERCHANGEABILITY

It is interchangeable with the previous model Ref. 4340/20. On the contrary, it is not interchangeable with the Jolly type Ref. 4330/20. In this case it is necessary to replace also the outdoor station.

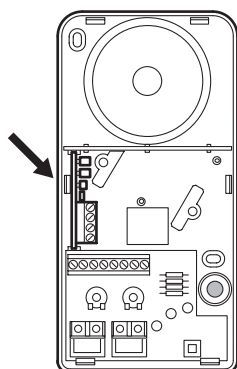
### SECURITY OF CONVERSATION DEVICE Ref. 752/5

The device Ref. 752/5 shall be inserted inside the indoor set proceeding as follows:

- remove the cover and place the device on the base in the position shown in the figure, inserting it into the proper guides;
- connect the device outgoing wires 7A, 5A, CA, 6, AP1 to the corresponding indoor set terminals 7, 5, CA, 6, AP.

#### Wire colors

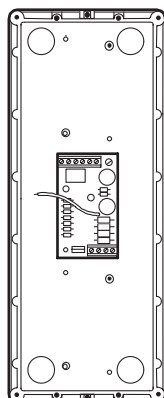
7A = yellow 5A = red CA = white 6 = black AP1 = light blue



**WARNING:** A Ref. 5330/60 device common to all the house phone must be inserted inside the push button panel. This assures switching off of any secrecy of conversation devices left enabled by a previous call, thus assuring complete secrecy. In view of the dimensions of the device and of loudspeaking unit modules, the switch-off device must be positioned only behind a Ref. 825/5 repertory module or Ref. 825/201, Ref. 825/202, Ref. 825/203 and Ref. 825/204 push button modules and fastened inside the embedding box positioning it on the specific pins and tightening it with a screw.

### INSERTION OF THE SECURITY SWITCH DEVICE Ref. 5330/60 INSIDE THE KOMBI PUSH BUTTON PANEL

The device will switch off the secrecy devices eventually remained activated from a previous call, thus assuring the total secrecy. The switch-off device has to be inserted inside the push button panel embedding box, positioning it on the suitable pins and fixing it by a screw. Connect the outgoing wire SN (Brown) to push button panel commons G/T and connect jumper between terminals 1A and +. The red wire shall be cut off.

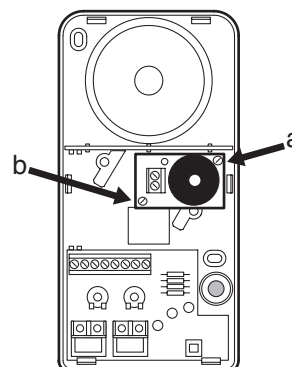


### ADDITIONAL ELECTRONIC BUZZER Ref. 9854/52

The device Ref. 9854/52 can be used for an additional call.

To mount the buzzer inside the indoor set proceed as follows:

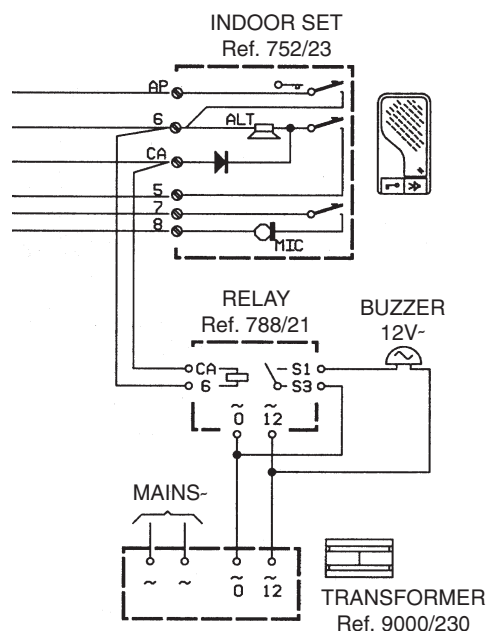
- fix the buzzer to the base using the two 2.9 x 13.5 screws indicated by a-b;
- connect the system wires to the two terminals.



### CALL REPEATER RELAY Ref. 788/21

As previously described, the call coming from the outside push button panel towards the indoor sets takes place directly on the loudspeaker with a bitonal sound supplied by the power supply. When the call has to be sent also to additional ringers, it is necessary to use the call repeater Ref. 788/21 to be parallel connected to the indoor set loudspeaker. For its connection, proceed as follows:

- connect terminals 6 and CA to the indoor set corresponding terminals;
- feed the call repeater relay by means of a 12V a.c. transformer, the voltage of which can feed the additional ringer.



## CONNECTION MISTAKES AND MOST COMMON FAILURES

- **Operation failure from indoor set to outdoor station**

On the outdoor set disconnect wires 1 and 2 and measure the loudspeaker resistance (the resulting resistance varies from 45  $\Omega$  to 515  $\Omega$ , since the circuit is made of a 45  $\Omega$  loudspeaker with a series connected 470  $\Omega$  potentiometer).

If the loudspeaker is not defective, the failure might be caused by the loudspeaker line (line 1-2) or by the indoor set transmitting capsule line (line 7-8). In this case, insulation and continuity of the above lines must be carefully checked.

If the failure does not fall within the above mentioned cases, the power supply will have to be checked and probably replaced since it might be causing the failure.

- **Operation failure from outdoor station to indoor set**

Defective electret microphone circuit. A check with a tester is not possible. Try to replace the outdoor set. If the failure is still present, check line 3-4 disconnecting the two wires from outdoor set and power supply, and measuring continuity and insulation. Make same check on the indoor sets loudspeaker line (5-6). If the failure does not fall within the above mentioned cases, the power supply will have to be checked and probably replaced since it might be causing the failure.

- **Operation failure on both directions**

Check the 315 mA fuse: if burnt, it shall be replaced with one of the same value.

Check network voltage.

- **Lock does not open**

Check that there is a voltage of 12V between terminals 0 and 12 of the power supply.

Check the door release lines between terminals AP, 6 or that the contact of the door release key is working correctly.

- **NO calls on loudspeaker**

Check that the power supply generates the call signal through insertion of a 45  $\Omega$  resistance between terminals PS and 6 of the power supply.

- **“Whistle” or Larsen effect**

If the system presents a “whistle” due to Larsen effect, duly adjust the potentiometer of the loudspeaker module, reducing the volume until the effect disappears. The inwards amplification is not adjustable.

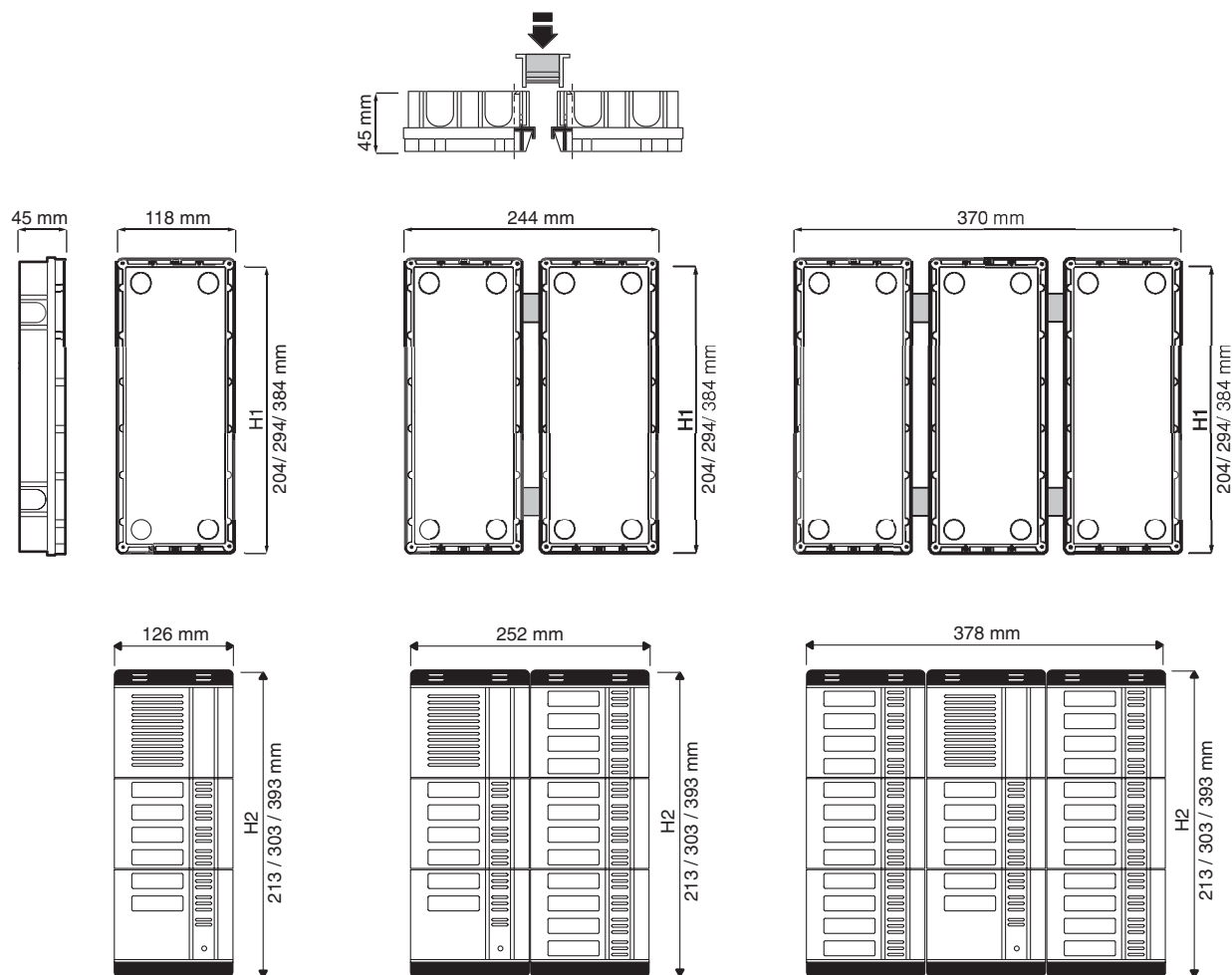


## FREE-HANDS SYSTEMS Mod. 752

## DIMENSIONS

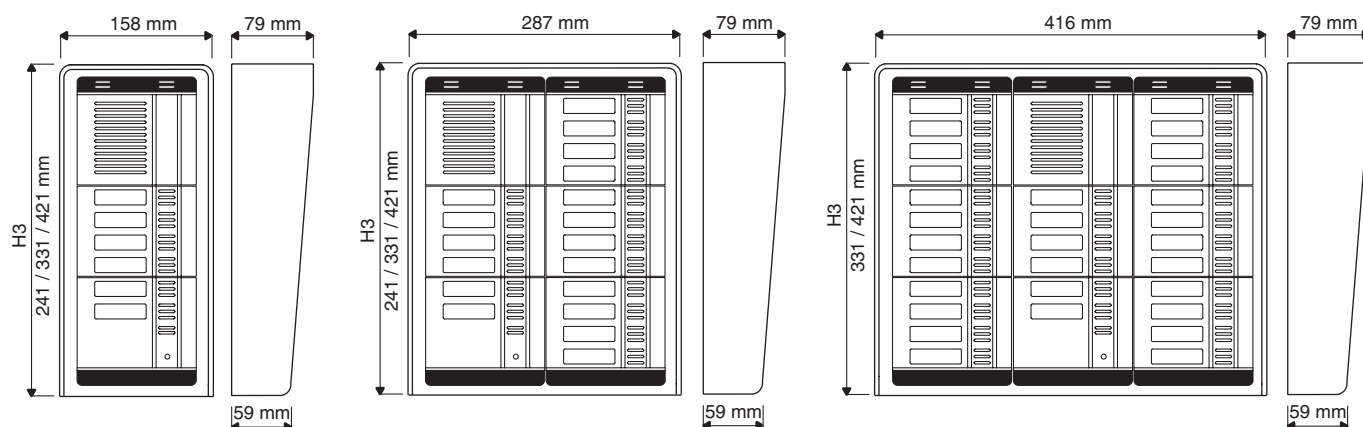


## FLUSH-MOUNTED VERSION



Note: H1= 204, 294, 384 indicates flush mounting height and H2= 213, 303, 393 indicates to total height relative to 2, 3 and 4 module versions

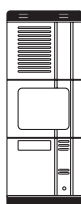
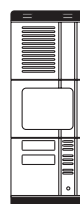
## WALL-MOUNTED VERSION



Note: H3 referred to the total height may differ according to the number of modules that the case may contain.



(°) alternatives  
(#) alternatives


**1**

**2**

**3**

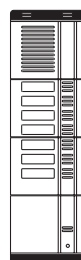
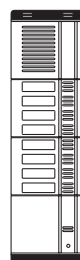
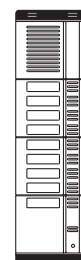
|                            |  |        |  |        |  |         |  |
|----------------------------|--|--------|--|--------|--|---------|--|
|                            | Loudspeaker module                       | 752/75 |  | 752/75 |  | 752/75  |  |
|                            | Microphone module                        | 752/71 |  | 752/72 |  | 752/70  |  |
|                            | Push button modules                      | -      |  | 825/5  |  | 825/203 |  |
| FLUSH MOUNTED(#)           | Module frames with embedding box         | 825/23 |  | 825/23 |  | 825/23  |  |
| FLUSH MOUNTING ACCESSORIES | Wall cover frame (°)                     | 825/33 |  | 825/33 |  | 825/33  |  |
|                            | Rain hood with wall cover frame (°)      | 825/43 |  | 825/43 |  | 825/43  |  |
| WALL MOUNTED(#)            | Case with hood, frame and module holders | 825/53 |  | 825/53 |  | 825/53  |  |


**4**

**5**

**6**

|                            |  |         |  |        |  |         |  |
|----------------------------|--|---------|--|--------|--|---------|--|
|                            | Loudspeaker module                       | 752/75  |  | 752/75 |  | 752/75  |  |
|                            | Microphone module                        | 752/70  |  | 752/71 |  | 752/72  |  |
|                            | Push button modules                      | 825/204 |  | -      |  | 825/204 |  |
| FLUSH MOUNTED(#)           | Module frames with embedding box         | 825/23  |  | 825/23 |  | 825/23  |  |
| FLUSH MOUNTING ACCESSORIES | Wall cover frame (°)                     | 825/33  |  | 825/33 |  | 825/33  |  |
|                            | Rain hood with wall cover frame (°)      | 825/43  |  | 825/43 |  | 825/43  |  |
| WALL MOUNTED(#)            | Case with hood, frame and module holders | 825/53  |  | 825/53 |  | 825/53  |  |


**7**

**8**

**9**

|                            |  |                           |  |         |  |             |  |
|----------------------------|--|---------------------------|--|---------|--|-------------|--|
|                            | Loudspeaker module                       | 752/75                    |  | 752/75  |  | 752/75      |  |
|                            | Microphone module                        | 752/70                    |  | 752/70  |  | 752/71      |  |
|                            | Push button modules                      | 1 x 825/203 - 1 x 825/204 |  | -       |  | 2 x 825/204 |  |
| FLUSH MOUNTED(#)           | Module frames with embedding box         | 825/24                    |  | 825/24  |  | 825/24      |  |
| FLUSH MOUNTING ACCESSORIES | Wall cover frame (°)                     | 825/404                   |  | 825/404 |  | 825/404     |  |
|                            | Rain hood with wall cover frame (°)      | 825/441                   |  | 825/441 |  | 825/441     |  |
| WALL MOUNTED(#)            | Case with hood, frame and module holders | 825/541                   |  | 825/541 |  | 825/541     |  |

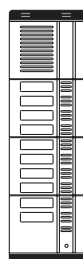


# FREE-HANDS SYSTEMS Mod. 752

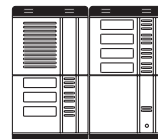
## EXAMPLES OF MODULAR CONSTRUCTIONS WITH VARIOUS CAPACITIES



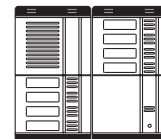
(°) alternatives  
(#) alternatives



10



7

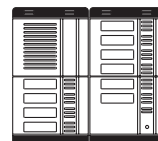


8

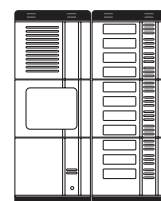
|                            |  |                  |             |        |                           |        |             |
|----------------------------|--|------------------|-------------|--------|---------------------------|--------|-------------|
|                            | Loudspeaker module                       | 752/75           |             | 752/75 |                           | 752/75 |             |
|                            | Microphone module                        | 752/72           |             | 752/70 |                           | 752/70 |             |
|                            | Push button modules                      | Repertory module | 2 x 825/204 | -      | 1 x 825/203 - 1 x 825/204 | -      | 2 x 825/204 |
| FLUSH MOUNTED(#)           | Module frames with embedding box         |                  | 825/24      |        | 2 x 825/22                |        | 2 x 825/22  |
| FLUSH MOUNTING ACCESSORIES | Wall cover frame (°)                     |                  | 825/404     |        | 825/34                    |        | 825/34      |
|                            | Rain hood with wall cover frame (°)      |                  | 825/441     |        | 825/44                    |        | 825/44      |
| WALL MOUNTED(#)            | Case with hood, frame and module holders |                  | 825/541     |        | 825/54                    |        | 825/54      |



9

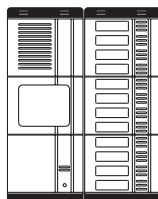


10

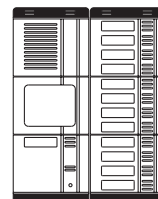


11

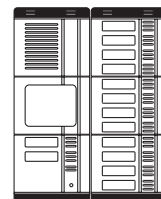
|                            |  |                  |             |        |             |        |                           |
|----------------------------|--|------------------|-------------|--------|-------------|--------|---------------------------|
|                            | Loudspeaker module                       | 752/75           |             | 752/75 |             | 752/75 |                           |
|                            | Microphone module                        | 752/71           |             | 752/72 |             | 752/70 |                           |
|                            | Push button modules                      | Repertory module | 2 x 825/204 | -      | 2 x 825/204 | -      | 1 x 825/203 - 2 x 825/204 |
| FLUSH MOUNTED(#)           | Module frames with embedding box         |                  | 2 x 825/22  |        | 2 x 825/22  |        | 2 x 825/23                |
| FLUSH MOUNTING ACCESSORIES | Wall cover frame (°)                     |                  | 825/34      |        | 825/34      |        | 825/36                    |
|                            | Rain hood with wall cover frame (°)      |                  | 825/44      |        | 825/44      |        | 825/46                    |
| WALL MOUNTED(#)            | Case with hood, frame and module holders |                  | 825/54      |        | 825/54      |        | 825/56                    |



12



13

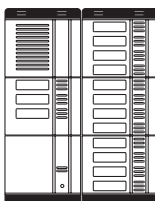
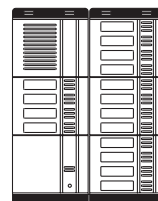
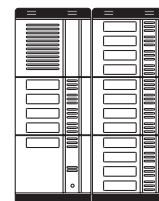


14

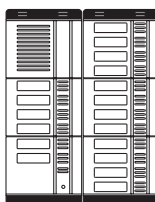
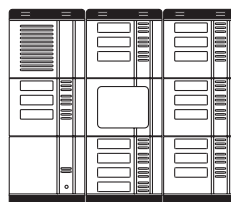
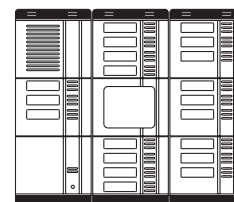
|                            |  |                  |             |        |             |        |             |
|----------------------------|--|------------------|-------------|--------|-------------|--------|-------------|
|                            | Loudspeaker module                       | 752/75           |             | 752/75 |             | 752/75 |             |
|                            | Microphone module                        | 752/70           |             | 752/71 |             | 752/72 |             |
|                            | Push button modules                      | Repertory module | 3 x 825/204 | 825/5  | 3 x 825/204 | 825/5  | 3 x 825/204 |
| FLUSH MOUNTED(#)           | Module frames with embedding box         |                  | 2 x 825/23  |        | 2 x 825/23  |        | 2 x 825/23  |
| FLUSH MOUNTING ACCESSORIES | Wall cover frame (°)                     |                  | 825/36      |        | 825/36      |        | 825/36      |
|                            | Rain hood with wall cover frame (°)      |                  | 825/46      |        | 825/46      |        | 825/46      |
| WALL MOUNTED(#)            | Case with hood, frame and module holders |                  | 825/56      |        | 825/56      |        | 825/56      |



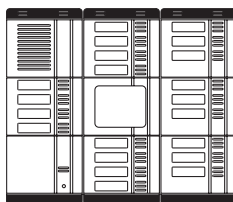
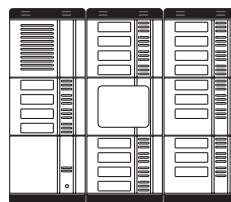
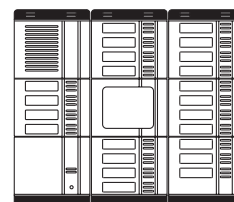
(°) alternatives  
(#) alternatives


**15**

**16**

**17**

|                            |  |                  |                           |        |             |        |             |
|----------------------------|--|------------------|---------------------------|--------|-------------|--------|-------------|
|                            | Loudspeaker module                       | 752/75           |                           | 752/75 |             | 752/75 |             |
|                            | Microphone module                        | 752/70           |                           | 752/70 |             | 752/71 |             |
|                            | Push button modules                      | Repertory module | 1 x 825/203 - 3 x 825/204 | -      | 4 x 825/204 | -      | 4 x 825/204 |
| FLUSH MOUNTED(#)           | Module frames with embedding box         |                  | 2 x 825/23                |        | 2 x 825/23  |        | 2 x 825/23  |
| FLUSH MOUNTING ACCESSORIES | Wall cover frame (°)                     |                  | 825/36                    |        | 825/36      |        | 825/36      |
|                            | Rain hood with wall cover frame (°)      |                  | 825/46                    |        | 825/46      |        | 825/46      |
| WALL MOUNTED(#)            | Case with hood, frame and module holders |                  | 825/56                    |        | 825/56      |        | 825/56      |


**18**

**19**

**20**

|                            |  |                  |             |        |                           |        |                           |
|----------------------------|--|------------------|-------------|--------|---------------------------|--------|---------------------------|
|                            | Loudspeaker module                       | 752/75           |             | 752/75 |                           | 752/75 |                           |
|                            | Microphone module                        | 752/72           |             | 752/70 |                           | 752/70 |                           |
|                            | Push button modules                      | Repertory module | 4 x 825/204 | -      | 1 x 825/204 - 5 x 825/203 | 825/5  | 2 x 825/204 - 4 x 825/203 |
| FLUSH MOUNTED(#)           | Module frames with embedding box         |                  | 2 x 825/23  |        | 3 x 825/23                |        | 3 x 825/23                |
| FLUSH MOUNTING ACCESSORIES | Wall cover frame (°)                     |                  | 825/36      |        | 825/39                    |        | 825/39                    |
|                            | Rain hood with wall cover frame (°)      |                  | 825/46      |        | 825/49                    |        | 825/49                    |
| WALL MOUNTED(#)            | Case with hood, frame and module holders |                  | 825/56      |        | 825/59                    |        | 825/59                    |


**21**

**22**

**23**

|                            |  |                  |                           |        |                           |        |                           |
|----------------------------|--|------------------|---------------------------|--------|---------------------------|--------|---------------------------|
|                            | Loudspeaker module                       | 752/75           |                           | 752/75 |                           | 752/75 |                           |
|                            | Microphone module                        | 752/70           |                           | 752/70 |                           | 752/70 |                           |
|                            | Push button modules                      | Repertory module | 3 x 825/203 - 3 x 825/204 | 825/5  | 2 x 825/203 - 4 x 825/204 | 825/5  | 1 x 825/203 - 5 x 825/204 |
| FLUSH MOUNTED(#)           | Module frames with embedding box         |                  | 3 x 825/23                |        | 3 x 825/23                |        | 3 x 825/23                |
| FLUSH MOUNTING ACCESSORIES | Wall cover frame (°)                     |                  | 825/39                    |        | 825/39                    |        | 825/39                    |
|                            | Rain hood with wall cover frame (°)      |                  | 825/49                    |        | 825/49                    |        | 825/49                    |
| WALL MOUNTED(#)            | Case with hood, frame and module holders |                  | 825/59                    |        | 825/59                    |        | 825/59                    |

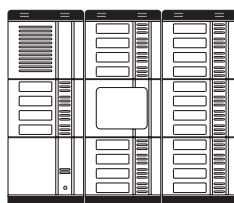


# FREE-HANDS SYSTEMS Mod. 752

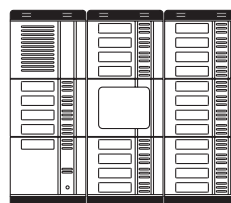
## EXAMPLES OF MODULAR CONSTRUCTIONS WITH VARIOUS CAPACITIES



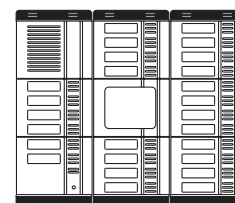
(°) alternatives  
(#) alternatives



24

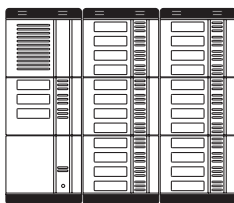


25

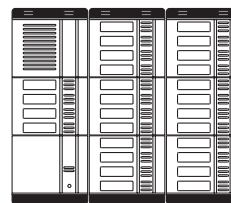


26

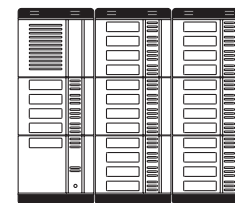
|                            |  |                  |             |       |             |       |             |       |
|----------------------------|--|------------------|-------------|-------|-------------|-------|-------------|-------|
|                            | Loudspeaker module                       |                  | 752/75      |       | 752/75      |       | 752/75      |       |
|                            | Microphone module                        |                  | 752/70      |       | 752/71      |       | 752/72      |       |
|                            | Push button modules                      | Repertory module | 6 x 825/204 | 825/5 | 6 x 825/204 | 825/5 | 6 x 825/204 | 825/5 |
| FLUSH MOUNTED(#)           | Module frames with embedding box         |                  | 3 x 825/23  |       | 3 x 825/23  |       | 3 x 825/23  |       |
| FLUSH MOUNTING ACCESSORIES | Wall cover frame (°)                     |                  | 825/39      |       | 825/39      |       | 825/39      |       |
|                            | Rain hood with wall cover frame (°)      |                  | 825/49      |       | 825/49      |       | 825/49      |       |
| WALL MOUNTED(#)            | Case with hood, frame and module holders |                  | 825/59      |       | 825/59      |       | 825/59      |       |



27

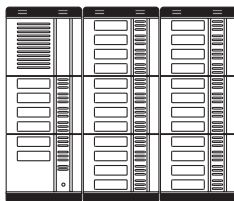


28

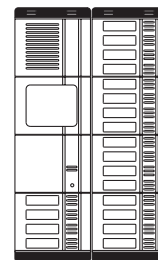


29

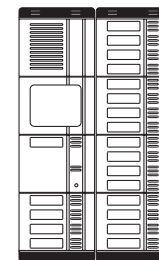
|                            |  |                  |                           |   |             |   |             |   |
|----------------------------|--|------------------|---------------------------|---|-------------|---|-------------|---|
|                            | Loudspeaker module                       |                  | 752/75                    |   | 752/75      |   | 752/75      |   |
|                            | Microphone module                        |                  | 752/70                    |   | 752/70      |   | 752/71      |   |
|                            | Push button modules                      | Repertory module | 1 x 825/203 - 6 x 825/204 | - | 7 x 825/204 | - | 7 x 825/204 | - |
| FLUSH MOUNTED(#)           | Module frames with embedding box         |                  | 3 x 825/23                |   | 3 x 825/23  |   | 3 x 825/23  |   |
| FLUSH MOUNTING ACCESSORIES | Wall cover frame (°)                     |                  | 825/39                    |   | 825/39      |   | 825/39      |   |
|                            | Rain hood with wall cover frame (°)      |                  | 825/49                    |   | 825/49      |   | 825/49      |   |
| WALL MOUNTED(#)            | Case with hood, frame and module holders |                  | 825/59                    |   | 825/59      |   | 825/59      |   |



30



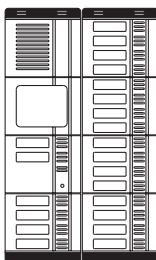
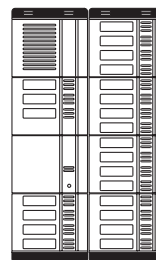
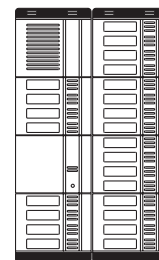
20



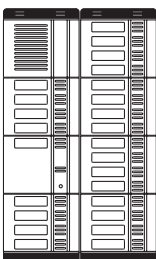
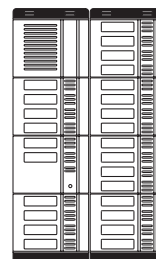
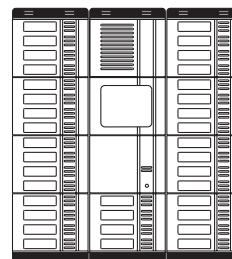
21

|                            |  |                  |             |   |             |       |             |       |
|----------------------------|--|------------------|-------------|---|-------------|-------|-------------|-------|
|                            | Loudspeaker module                       |                  | 752/75      |   | 752/75      |       | 752/75      |       |
|                            | Microphone module                        |                  | 752/72      |   | 752/70      |       | 752/71      |       |
|                            | Push button modules                      | Repertory module | 7 x 825/204 | - | 5 x 825/204 | 825/5 | 5 x 825/204 | 825/5 |
| FLUSH MOUNTED(#)           | Module frames with embedding box         |                  | 3 x 825/23  |   | 2 x 825/24  |       | 2 x 825/24  |       |
| FLUSH MOUNTING ACCESSORIES | Wall cover frame (°)                     |                  | 825/39      |   | 825/408     |       | 825/408     |       |
|                            | Rain hood with wall cover frame (°)      |                  | 825/49      |   | 825/442     |       | 825/442     |       |
| WALL MOUNTED(#)            | Case with hood, frame and module holders |                  | 825/59      |   | 825/542     |       | 825/542     |       |

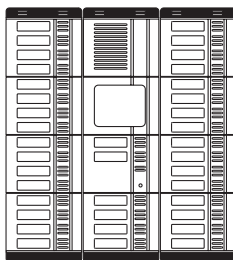
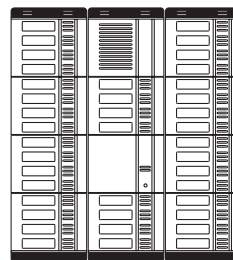
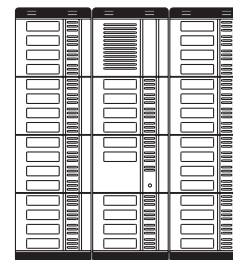
(°) alternatives  
(#) alternatives


**22**

**23**

**24**

|                            |  |                  |             |        |                           |        |             |
|----------------------------|--|------------------|-------------|--------|---------------------------|--------|-------------|
|                            | Loudspeaker module                       | 752/75           |             | 752/75 |                           | 752/75 |             |
|                            | Microphone module                        | 752/72           |             | 752/70 |                           | 752/70 |             |
|                            | Push button modules                      | Repertory module | 5 x 825/204 | 825/5  | 1 x 825/203 - 5 x 825/204 | -      | 6 x 825/204 |
| FLUSH MOUNTED(#)           | Module frames with embedding box         |                  | 2 x 825/24  |        | 2 x 825/24                |        | 2 x 825/24  |
| FLUSH MOUNTING ACCESSORIES | Wall cover frame (°)                     |                  | 825/408     |        | 825/408                   |        | 825/408     |
|                            | Rain hood with wall cover frame (°)      |                  | 825/442     |        | 825/442                   |        | 825/442     |
| WALL MOUNTED(#)            | Case with hood, frame and module holders |                  | 825/542     |        | 825/542                   |        | 825/542     |


**25**

**26**

**36**

|                            |  |                  |             |        |             |        |             |
|----------------------------|--|------------------|-------------|--------|-------------|--------|-------------|
|                            | Loudspeaker module                       | 752/75           |             | 752/75 |             | 752/75 |             |
|                            | Microphone module                        | 752/71           |             | 752/72 |             | 752/70 |             |
|                            | Push button modules                      | Repertory module | 6 x 825/204 | -      | 6 x 825/204 | -      | 9 x 825/204 |
| FLUSH MOUNTED(#)           | Module frames with embedding box         |                  | 2 x 825/24  |        | 2 x 825/24  |        | 3 x 825/24  |
| FLUSH MOUNTING ACCESSORIES | Wall cover frame (°)                     |                  | 825/408     |        | 825/408     |        | 825/412     |
|                            | Rain hood with wall cover frame (°)      |                  | 825/442     |        | 825/442     |        | 825/443     |
| WALL MOUNTED(#)            | Case with hood, frame and module holders |                  | 825/542     |        | 825/542     |        | 825/543     |


**38**

**40**

**42**

|                            |  |                  |             |        |              |        |              |
|----------------------------|--|------------------|-------------|--------|--------------|--------|--------------|
|                            | Loudspeaker module                       | 752/75           |             | 752/75 |              | 752/75 |              |
|                            | Microphone module                        | 752/72           |             | 752/70 |              | 752/72 |              |
|                            | Push button modules                      | Repertory module | 9 x 825/204 | 825/5  | 10 x 825/204 | -      | 10 x 825/204 |
| FLUSH MOUNTED(#)           | Module frames with embedding box         |                  | 3 x 825/24  |        | 3 x 825/24   |        | 3 x 825/24   |
| FLUSH MOUNTING ACCESSORIES | Wall cover frame (°)                     |                  | 825/412     |        | 825/412      |        | 825/412      |
|                            | Rain hood with wall cover frame (°)      |                  | 825/443     |        | 825/443      |        | 825/443      |
| WALL MOUNTED(#)            | Case with hood, frame and module holders |                  | 825/543     |        | 825/543      |        | 825/543      |

# DUPLEX SYSTEM Mod. 752 STATION CONNECTION OF DUO INDOOR SETS TO A DUPLEX OUTDOOR STATION



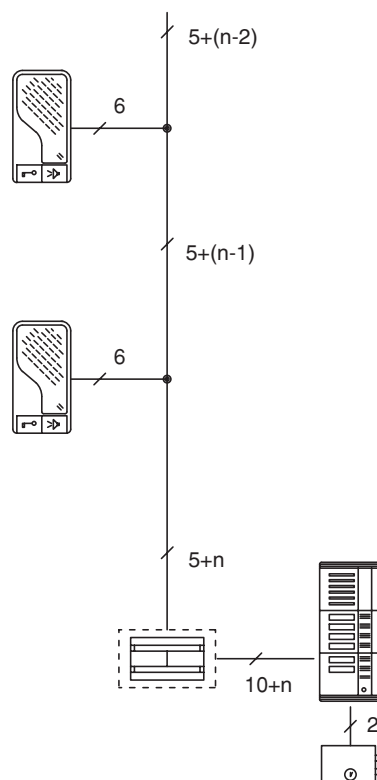
## FUNCTION

Pushing one of the buttons on the push button panel, outside the building, the bitonal call sound is sent to the corresponding indoor set loudspeaker.

When on the called indoor set the conversation button is pressed, contact is made between inside and outside and conversation may start.

The indoor set conversation button must be kept pressed during all the conversation.

To operate the electric lock it is sufficient to briefly press the corresponding button.



## EQUIPMENT

For said installation (Scheme SC101-0209) the following items are required:

|      |                                 |              |                     |
|------|---------------------------------|--------------|---------------------|
| N. X | Duo indoor sets                 | White colour | <b>Ref. 752/23</b>  |
|      | <i>For wall embedding, add:</i> |              |                     |
| N. X | Embedding boxes                 |              | <b>Ref. 4328/16</b> |
| N. X | Frames for embedding box        |              | <b>Ref. 752/1</b>   |
| N. 1 | Power supply                    |              | <b>Ref. 752/20</b>  |
| N. 1 | Modular push button panel       |              | <b>Mod. Kombi</b>   |

## WIRES

As indicated in the Scheme SC101-0209.

- N. 4 Wires from power supply to push button panel towards the outdoor set (2 twisted coupled wires);
- N. 2 Wires from power supply to electric lock;
- N. 1 Wire from power supply to push button panel common;
- N. 4 Common wires from power supply to indoor sets;
- N. 1 Common wire from electric lock to indoor sets;
- N. 1 Single wire from push button panel to each indoor set.

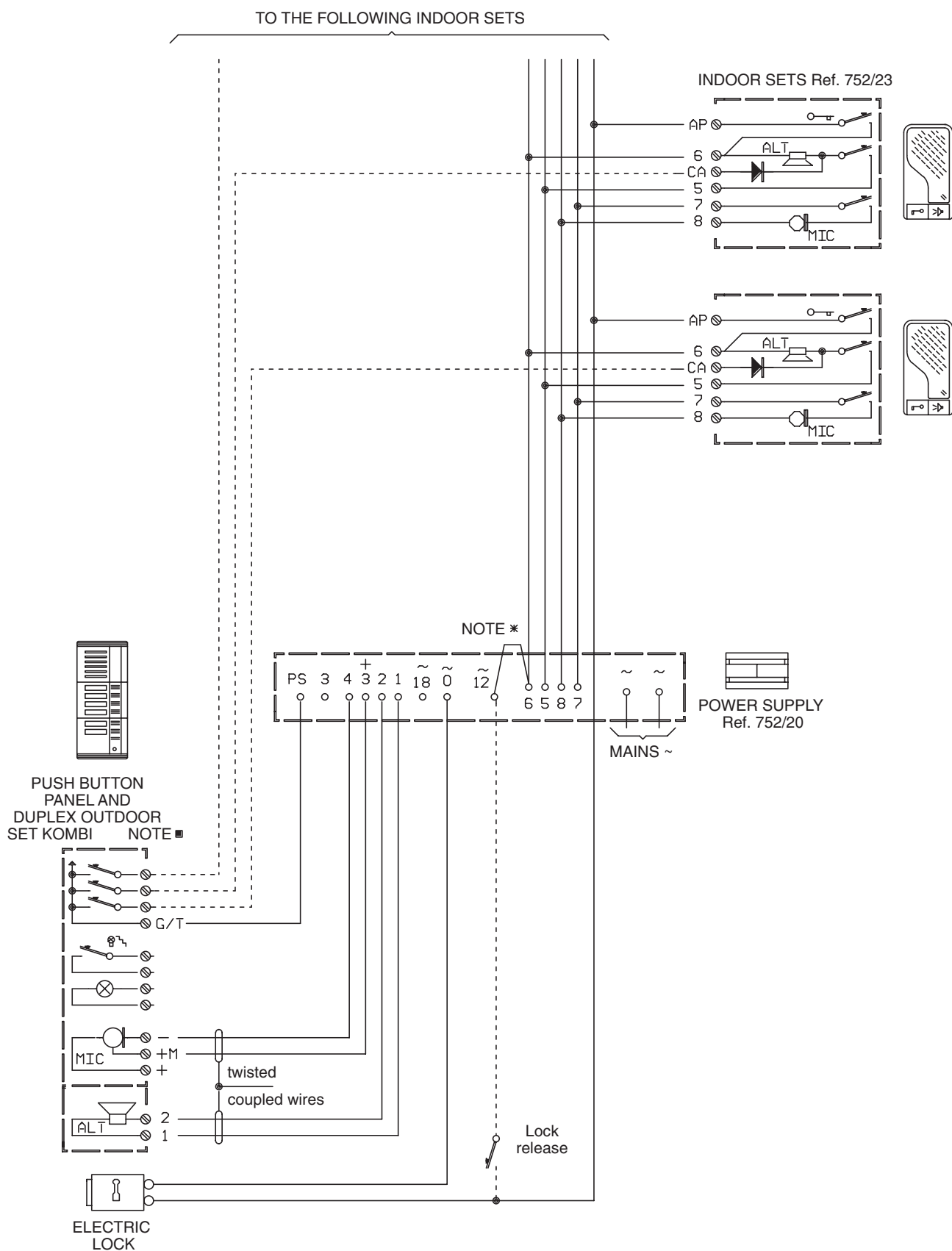
Also provide wires for switching on of the bulbs of the push button panel powered by separate appropriately rated power transformer.

**IMPORTANT:** Use twisted wires for the connection towards the outdoor station, one for microphone MIC and one for loudspeaker receiver ALT.

Transmission and reception levels are calibrated, during production, on optimum values. It is possible to adjust the outwards amplification by acting on the potentiometer inserted in the loudspeaker module Ref. 752/75.

The inwards amplification cannot be adjusted. The potentiometer inserted in the microphone module acts on the inwards transmission level only when it is used as spare part in Superjolly systems with terminal + connected instead of terminal +M.

**NOTE:** During power supply installation make a jumper between terminals 6 and ~ 12.



## DUPLEX SYSTEM Mod. 752

### CONNECTION OF DUO INDOOR SETS TO TWO DUPLEX OUTDOOR STATION

**urmet**  
DOMUS

#### FUNCTION

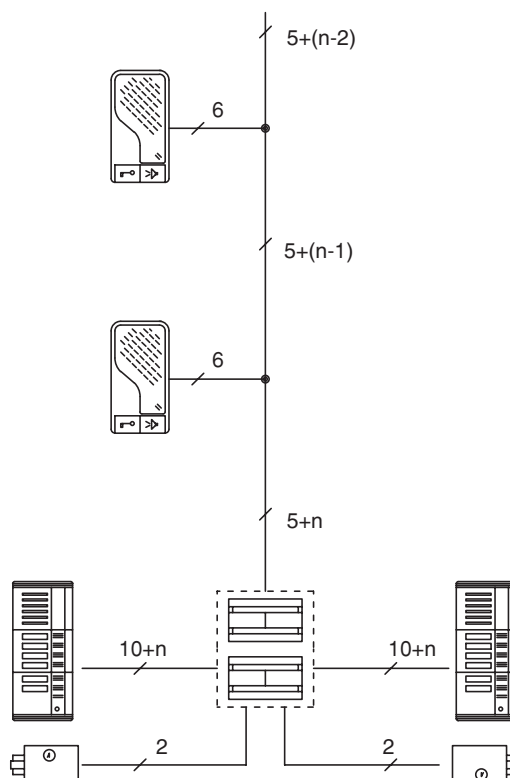
This type of installation allows connection of a series of indoor sets to two push button panels in a building with two entrances.

With the proposed solution, by simply pushing a button on one of the two panels, the called indoor set, pushing the conversation button, is automatically connected with the calling panel.

However, this type of installation does not allow to talk from the two outdoor stations simultaneously, since they work alternatively.

Indoor set conversation button must be kept pressed during all the conversation.

To operate the electric lock it is sufficient to briefly press the corresponding button: in this way, the electric lock corresponding to the push button panel from which the call has been made is energized.



#### EQUIPMENT

For said installation (Scheme SC101-0210A) the following items are required:

|      |                                   |                          |                     |
|------|-----------------------------------|--------------------------|---------------------|
| N. X | Duo indoor sets                   | White colour             | <b>Ref. 752/23</b>  |
| N. X | Embedding boxes                   | For wall embedding, add: | <b>Ref. 4328/16</b> |
| N. X | Frames for embedding box          |                          | <b>Ref. 752/1</b>   |
| N. 1 | Power supply                      |                          | <b>Ref. 752/20</b>  |
| N. 2 | Pulsantiere componibili           |                          | <b>Mod. Kombi</b>   |
| N. 1 | Relay box for automatic switching |                          | <b>Ref. 788/1</b>   |

#### WIRES

As indicated in the Scheme SC101-0210A.

- N. 5 Wires from power supply to relay box;
- N. 8 Wires from relay box to each panel. 4 of these ones, that is the ones to the outdoor station, must be connected with twisted coupled wires, one for microphone M and one for receiver R;
- N. X Wires from push button panels to indoor sets;
- N. 5 Common wires from power supply and relay box group to the indoor sets.

Also foresee wires for push button panels lamps lighting fed by a separate transformer of adequate power

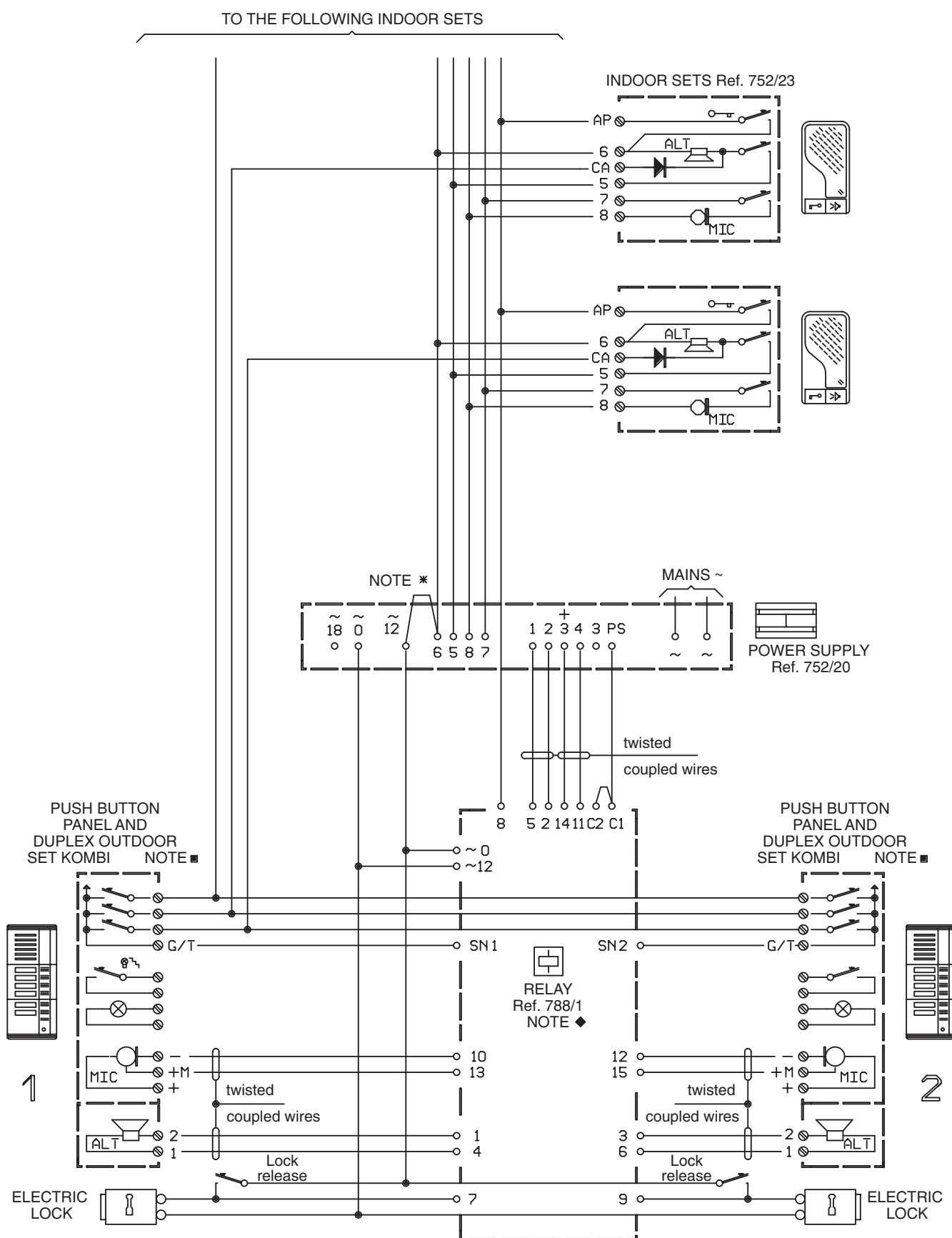
**IMPORTANT:** Use twisted coupled wires for the connections towards the outdoor station one for microphone MIC and one for loudspeaker receiver ALT.

Transmission and reception levels are calibrated, during production, on optimum values. It is possible to adjust the outwards amplification by acting on the potentiometer inserted in the loudspeaker module Ref. 752/75.

The inwards amplification cannot be adjusted. The potentiometer inserted in the microphone module acts on the inwards transmission level only when it is used as spare part in Superjolly systems with terminal + connected instead of terminal +M.

**NOTE:** In the relay box make a jumper between terminals C1 - C2.

*During power supply installation make a jumper between terminals 6 and ~ 12.*



**DUO DUPLEX SYSTEM Mod. 752**  
**Examples of connection of the different parts (Indoor set, Outdoor set, Power supply)**  
**of the new system duplex Mod. 752 when used as spare parts in the**  
**previous Superjolly two-channel systems 2nd series**



### INDOOR SET Ref. 752/23

To replace the indoor set Ref. 4340/23 by the new type Ref. 752/23, connect wires to the same terminals. If in the existing system the buzzer RZ has been used for the floor calls, since in the Duo indoor set this buzzer and the relevant terminal RZ are not foreseen, it is necessary to use the additional buzzer Ref. 9854/52, that can be inserted inside the same indoor set, or any other 12V a.c. 10VA max. buzzer or ringer to be installed outside the indoor set.

TC = Button for possible floor call.

### POWER SUPPLY Ref. 752/20

To replace the power supply Ref. 4340/20 by the Duo power supply Ref. 752/20 connect wires to the same terminals. Only take care to connect the relevant wire to terminal 3 and not to terminal +3 (to be used in Duo system Mod. 752).

### KOMBI DUPLEX OUTDOOR AND PUSH BUTTON PANEL

To replace the loudspeaking unit Ref. 4340/27 by the new outdoor set Mod. 752, it is necessary to replace also the push button panel using the Kombi modular type; this is due to the fact that the microphone and the loudspeaker Mod. 752 are mounted inside suitable Kombi modules.

As a matter of fact the Duo duplex outdoor set is made of:

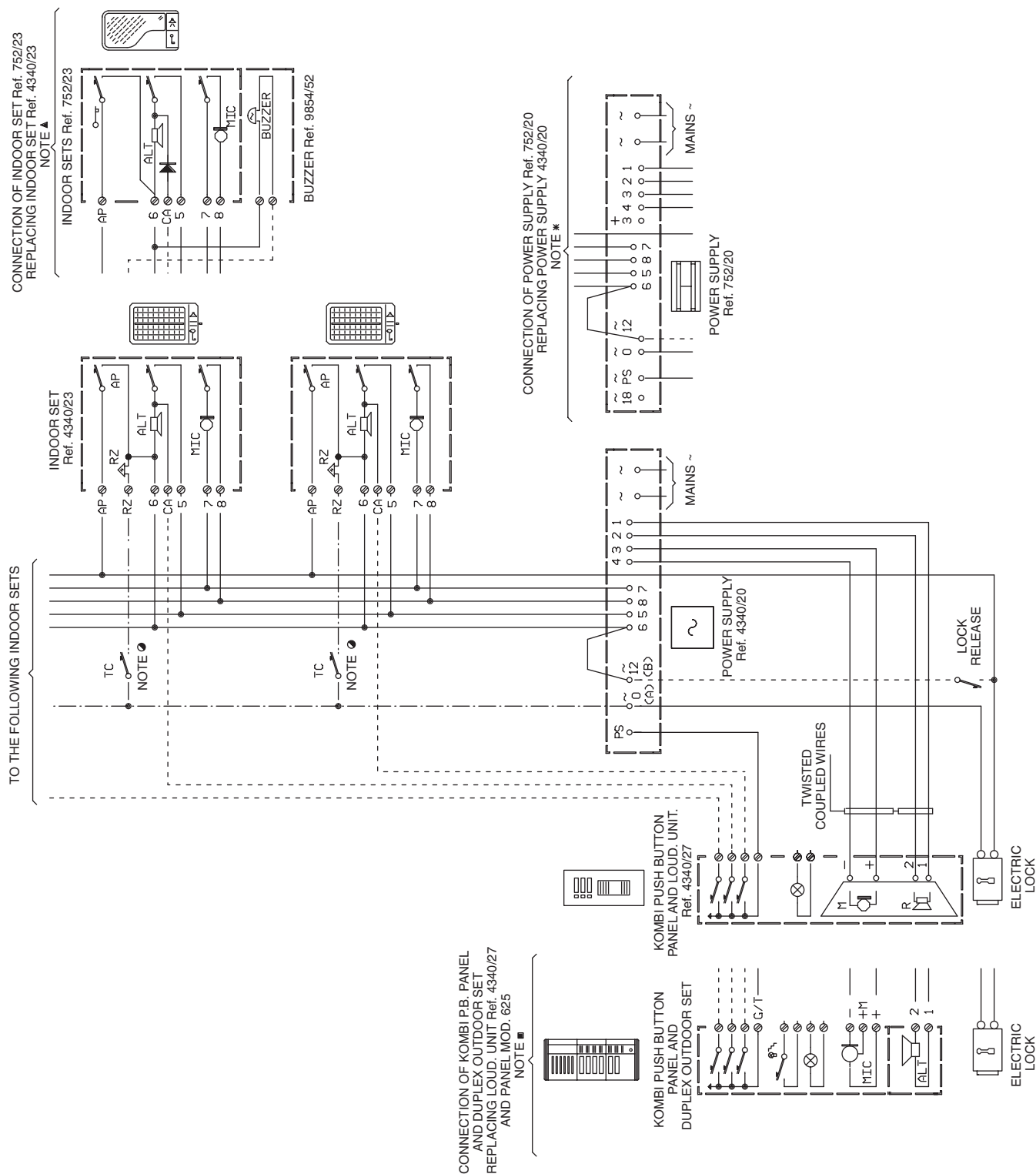
|                     |                    |              |
|---------------------|--------------------|--------------|
| Loudspeaker module: | <b>Ref. 752/75</b> |              |
| Microphone module:  | <b>Ref. 752/70</b> | without keys |
| or                  | <b>Ref. 752/71</b> | with 1 key   |
| or                  | <b>Ref. 752/72</b> | with 2 keys  |

In order to avoid Larsen ("whistle") effect, the two modules shall not be mounted one near the other, but they have to be kept separate by a key or repertory module.

It is possible to adjust the outwards amplification by acting on the potentiometer inserted in the loudspeaker module Ref. 752/75.

It is possible to adjust the outwards amplification by acting on the potentiometer inserted in the microphone module. Take care to connect terminal + and not terminal +M (to be used in Duo system Mod. 752 where, on the contrary, the inwards amplification is not adjustable).





# DUO DUPLEX SYSTEM Mod. 752 CONNECTION OF DUO INDOOR SETS TO A DUPLEX OUTDOOR STATION WITH SECRECY OF CONVERSATION



## FUNCTION

To assure the secrecy to all the indoor sets, a secrecy device Ref. 752/5 shall be inserted in each indoor set and a switch-off device Ref. 5330/60 in the push button panel.

So, all the indoor sets will be cut off from any conversation; only the called indoor set can start a conversation with the caller, no other being able to intercept the call. At the end of the conversation, said indoor set remains activated to conversation until a following call to another indoor set releases it. There are two possibilities of electric lock opening:

- opening activated by the device after an outside call: the lock cannot be operated without any call (standard connection);
- opening each time the door opener key is pressed. In this case connect conduit wire 9 directly to indoor set terminal AP and not to secrecy device terminal AP2.

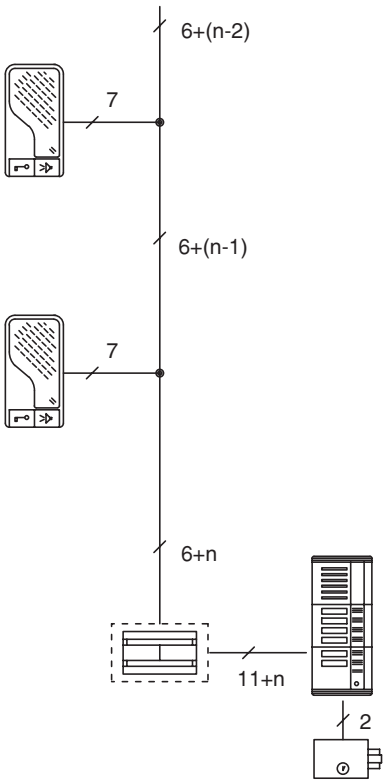
Consequently do not connect device terminal AP1 to indoor set terminal AP.

## EQUIPMENT

For said installation (Scheme SC101-0212) the following items are required:

|      |   |              |
|------|---|--------------|
| N. X | Duo indoor sets White colour            | Ref. 752/23  |
| N. X | For wall embedding, add:                |              |
| N. X | Embedding boxes                         | Ref. 4328/16 |
| N. X | Frames for embedding box                | Ref. 752/1   |
| N. X | Secrecy device                          | Ref. 752/5   |
| N. 1 | Switch-off device for push button panel | Ref. 5330/60 |
| N. 1 | Power supply                            | Ref. 752/20  |
| N. 1 | Modular push button panel               | Mod. Kombi   |

**NOTE:** During power supply installation make a jumper between terminals 6 and 12.



## WIRES

As indicated in the Scheme SC101 - 0212.

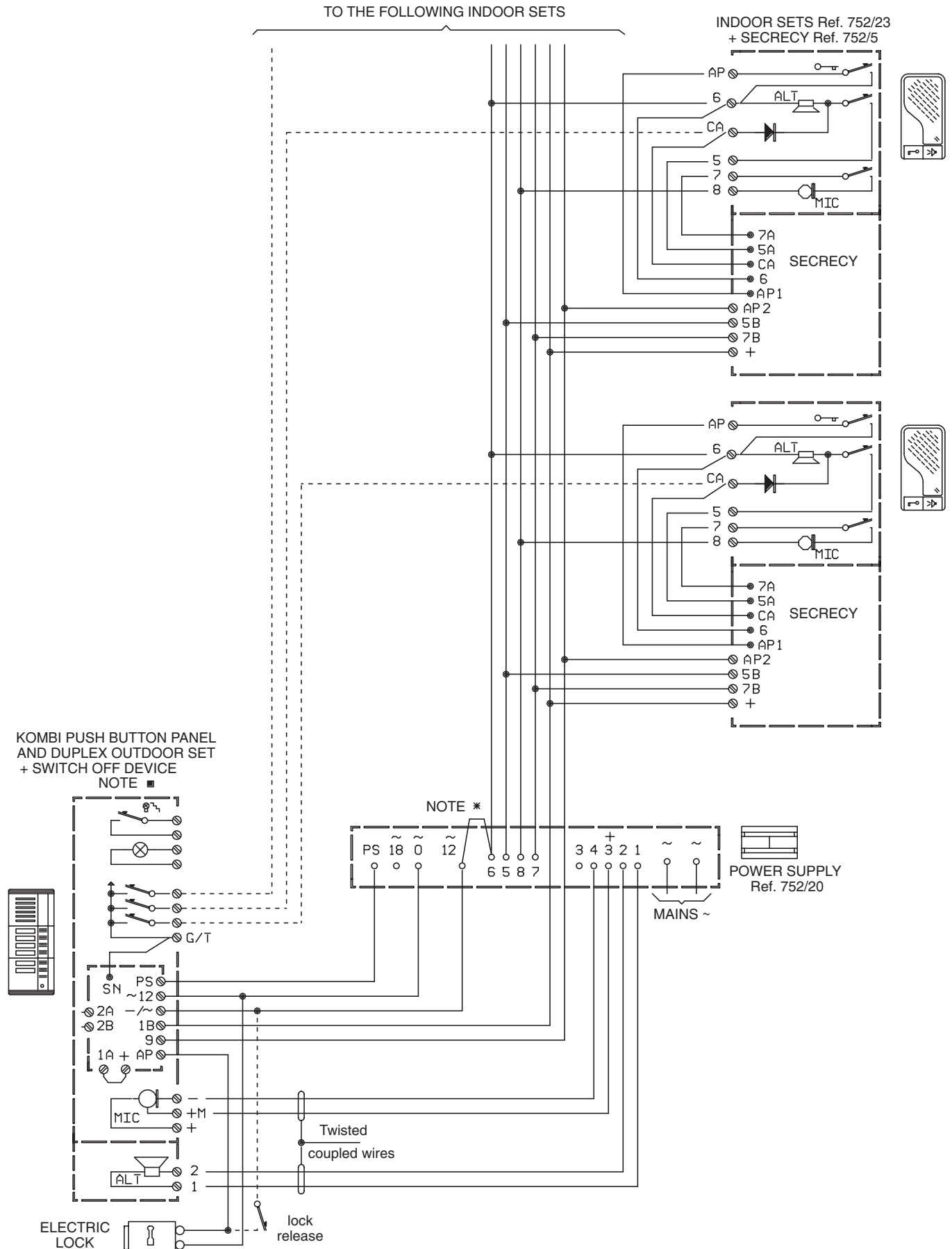
- N. 4 Wires from power supply to push button panel towards the outdoor set (2 twisted coupled wires);
- N. 3 Wires from power supply to push button panel switch-off device;
- N. 4 Common wires from power supply to indoor sets;
- N. 2 Common wires from push button panel switch-off device to indoor sets;
- N. 1 Single wire from push button panel to each indoor set.

Also foresee wires for push button panel lamps lighting (fed by a separate transformer of adequate power) and wires for electric lock opener button next to the door.

**IMPORTANT:** Use twisted coupled wires for the connections towards the outdoor station one for microphone MIC and one for loudspeaker receiver ALT.

Transmission and reception levels are calibrated, during production, on optimum values. It is possible to adjust the outwards amplification by acting on the potentiometer inserted in the loudspeaker module Ref. 752/75.

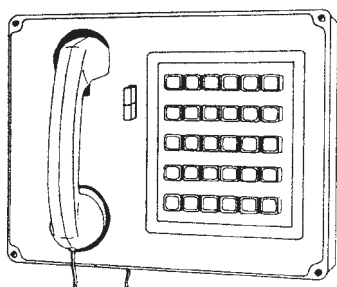
The inwards amplification cannot be adjusted. The potentiometer inserted in the microphone module acts on the inwards transmission level only when it is used as spare part in Superjolly systems with terminal + connected instead of terminal +M.



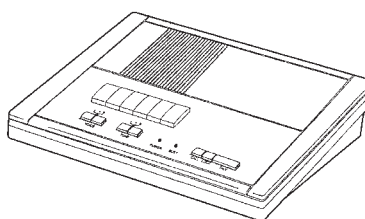


# INTERCOM SYSTEMS

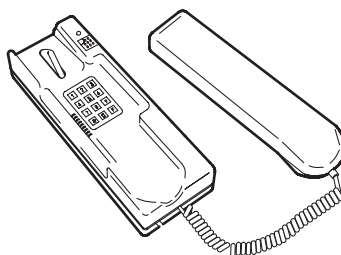
## HOUSE PHONE SWITCHBOARD



## INTERCOM SYSTEMS



## EASIVOICE SYSTEM



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Technical Manuals area  
MT101-014\_sec.3.pdf



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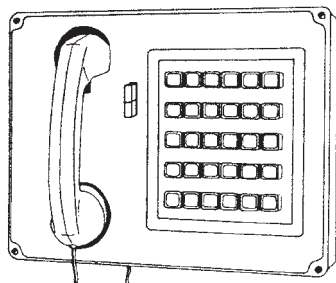


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## HOUSE PHONE SWITCHBOARD Mod. 604-605-606

Urmet Domus door phone switchboards brilliantly solve the problem of communication between condo concierge, apartments stations and door units.



The new one-wire house phone switchboard can be connected to installations that uses both standard house phones (Mod. 1130 and previous models 1030,930,730,630) and Electronic house phones for 1+1 installations (Ref. 1131/35, Ref. 1132/35 and Ref. 1133/35).

## REFERENCES

|                                      |                |
|--------------------------------------|----------------|
| Wall-surface mounted                 | Ref. 14000/... |
| Tabletop-surface mounted with socket | Ref. 15000/... |
| Tabletop-embedded                    | Ref. 16000/... |
| Wall-embedded                        | Ref. 17000/... |

*The number after the slash indicates the capacity of the switchboard.*

## GENERAL CHARACTERISTICS

- Low number of wires** - The following wires are needed as in a normal door phone system: 1 for each user plus 4 common wires.
- Unified devices** - The switchboard can be used for both concierge service and for switching to door unit night service without needing to adapt the system or the connections.  
This means that a normal door phone system can easily be transformed into a switchboard system using the existing wires. A normal switchboard system can be changed into a switchboard system without changing the door phones and many other devices: only the door unit and panel need to be replaced and the respective connections made.
- Standard fixing methods** - 1-wire Urmet Domus switchboards can be wall-mounted, tabletop-mounted or flush-mounted on wall or table. The differences between the fixing methods are:
  - table switchboards (tabletop or flush) are equipped with keyboard and pivoting crosspiece springs; the wall-mounted versions (wall surface and flush) are without; - the tabletop version is equipped with an external casing and side hole for connecting the socket wire. The switchboard is provided either with or without socket and cord;
  - tabletop versions are equipped with external casing without holes and is fastened to the wall by means of three screws;
  - the flush-mounted versions (wall and table) are the same in appearance. The two versions have different keyboards.  
The flush-mounted versions different from the top- and surface-mounted versions for the protective casing with three brackets for fastening the switchboards and the external frame to the wider front panel.
- Capacity** - The switchboards are available with the following capacity ratings: 12 -18 -24 -30 -50 -70 -80 -120 numbers.  
In the case of switchboards with a capacity of 12 to 30 numbers, the individual illuminated keyboards consist of 6 buttons while those of switchboards with a capacity of between 50 and 120 numbers consist of 10 buttons.
- Busy signal** - If the switchboard is engaged in a conversation with a house phone, the user of a second house phone who wishes to

communicate with the witchboard will hear a busy tone on lifting the hand-set. This avoids wasting time while waiting for a reply during the period in which the switchboard is engaged.

- Secrecy** - If the switchboard operator is engaged in a conversation with a house phone, the user of a second house phone, on lifting the hand-set, will not hear the conversation.  
Furthermore, the user of the second door phone may speak to the switchboard operator even if the busy signal is heard; the switchboard operator can pick up emergency calls in this case.
- Automatic release illuminated keyboard** - The buttons of the keyboard return automatically to their home position when the hand-set of the switchboard is replaced or when any other button of the keyboard is pressed.

## FUNCTIONING AND MANUAL OPERATIONS

### DAY-TIME SERVICE (PORTER 'S LODGE)

**Outgoing** -To call a specific house phone, the switchboard operator lifts the hand-set, presses the key of the house phone required for its entire stroke and sends the call pressing the specific key (red). The house phone user replies lifting the hand-set and the conversation takes place; at the end of the conversation, when the operator replaces the hand-set, the key of the house phone called which had remained switched, returns automatically to the home position.

**Incoming** -The call from the extension house phone is made with a visible signal (at the moment in which the user lifts the hand-set)and an audible signal when the hand-set hook lever is fully pressed. The switchboard operator replies lifting the hand-set and pressing the matching key.

### NIGHT-TIME SERVICE (OUTDOOR SET)

When the operator interrupts or has finished his/her work shift, he/she must switch the house phones to the outdoor set so as to assure continuation of the service.

To do this, it is sufficient to press the "night-time switch-over " key (black)for its entire stroke. In this case, the service is provided according to the criteria of a normal outdoor set. In these conditions, when a house phone speaks with the outdoor set, the key of the user who is using the night-time service lights up on the switchboard. Before resuming service (i.e. returning the switch-over key to its original position),the operator must make sure that there are no conversations in course between the user and outdoor set (keys on).

**Note:** *During day-time service, the external push button panel is bypassed, i.e. it is assumed that the entrance door remains open.*

*If the entrance door is to be kept closed during day-time service, the switchboard can be equipped on request with an extra switch and a call repeater. The switchboard can reply to all external calls using the hand-set. In this case, request the special switchboard.*

604 - 605  
606

## HOUSE PHONE SWITCHBOARD Mod. 604-605-606

DIMENSIONS - ASSEMBLY - INSTALLATION

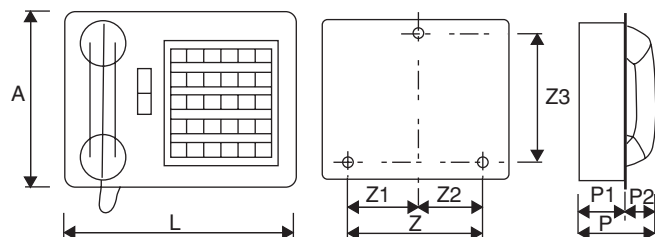
urmet  
DOMUS

## DIMENSIONS

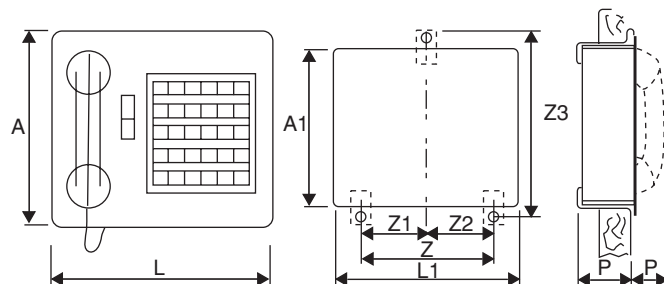
The dimensions in mm are as follows:

| DIMENSIONS IN mm                     |             |           |     |          |       |        |
|--------------------------------------|-------------|-----------|-----|----------|-------|--------|
| TYPES                                |             | POSITIONS |     | CAPACITY |       |        |
|                                      |             |           |     | 12÷30    | 50÷70 | 80÷120 |
| TABLETOP AND WALL<br>SURFACE MOUNTED | FRONT PANEL | A         | 267 | 327      | 477   |        |
|                                      |             | L         | 352 | 437      | 437   |        |
|                                      |             | P         | 165 | 165      | 165   |        |
|                                      |             | P1        | 120 | 120      | 120   |        |
|                                      |             | P2        | 45  | 45       | 45    |        |
|                                      | HOUSING     | Z         | 247 | 332      | 332   |        |
|                                      |             | Z1        | 159 | 166      | 166   |        |
|                                      |             | Z2        | 88  | 166      | 166   |        |
|                                      |             | Z3        | 288 | 288      | 438   |        |
| TABLETOP AND<br>WALL EMBEDDED        | FRONT PANEL | A         | 303 | 363      | 513   |        |
|                                      |             | L         | 388 | 473      | 473   |        |
|                                      |             | P         | 45  | 45       | 45    |        |
|                                      | FASTENING   | Z         | 247 | 332      | 332   |        |
|                                      |             | Z1        | 159 | 166      | 166   |        |
|                                      |             | Z2        | 88  | 166      | 166   |        |
|                                      |             | Z3        | 286 | 346      | 496   |        |
|                                      | HOUSING     | A1        | 269 | 329      | 479   |        |
|                                      |             | L1        | 348 | 433      | 433   |        |
| P1                                   |             | 107       | 107 | 107      |       |        |

## TABLETOP AND WALL SURFACE MOUNTED



## TABLETOP AND WALL EMBEDDED



## ASSEMBLY

## WALL -SURFACE MOUNTED VERSIONS

To fasten the switchboard to the wall, use the 3 holes on the base identified as A, B, C. There is no need to open the keyboard frame during this operation.

## WALL OR TABLETOP EMBEDDED VERSIONS

To fasten the switchboard, use the three brackets after creating the space required in the wall or table.

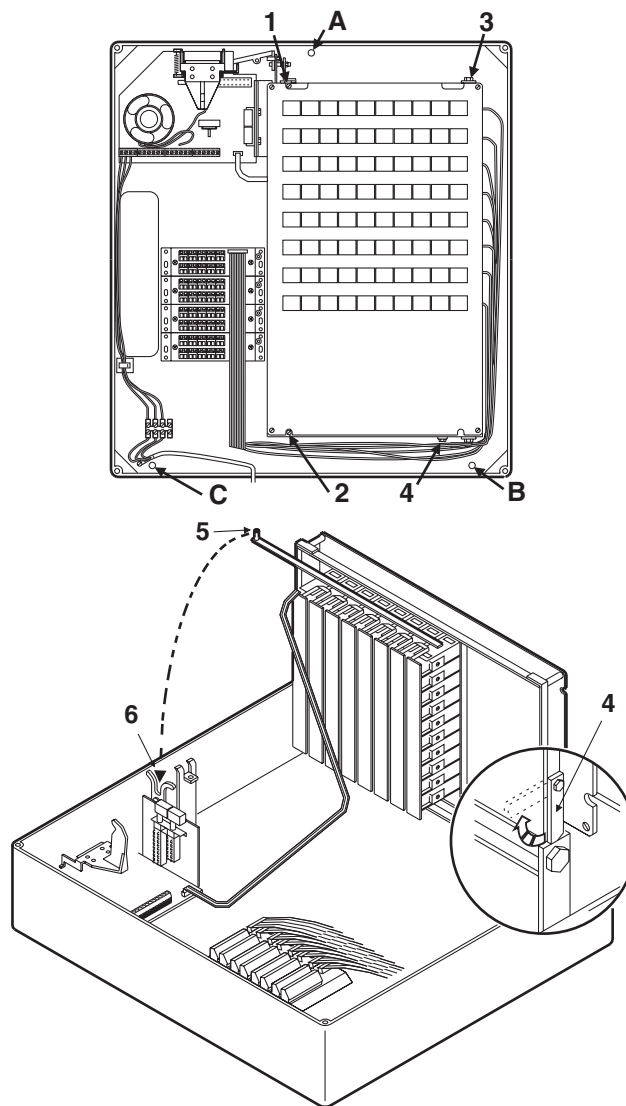
## OPENING OF THE KEYBOARD FRAME

If this is necessary, proceed as follows:

- back off screws 1 and 2. The frame is now free to pivot on pin 3 and is blocked by the stop plate 4.

## RECLOSING OF THE KEYBOARD FRAME

Remove plate 4 and insert pin 5 of the keyboard connection rod in plastic fork 6.  
Retighten screws 1 and 2.

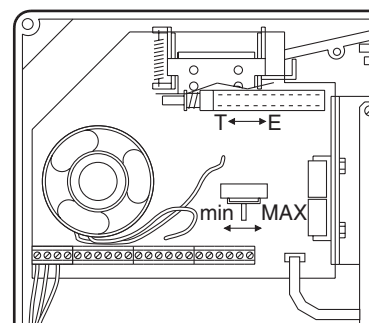


## INSTALLATION

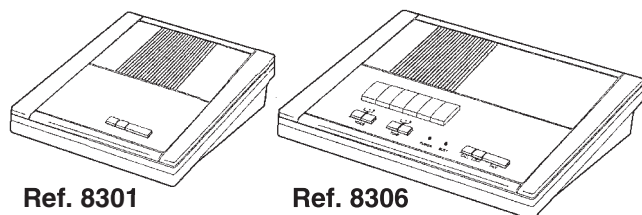
The switchboard must be set for the system required according to the type of installation. Proceed as follows:

- For installations with standard house phones Mod. 1130, turn the selector located on the main circuit board to the T position.
- For installations with electronic 1+1 house phones, Mod. 1131 turn the selector to position E.

A 3-position switch (min-med-max) used to adjust the level of the call signal sent towards the switchboard is also present on this printed circuit. If necessary, move the lever to the position required.



**INTERCOM SYSTEMS**  
**Ref. 8301 - 8306 - 8311**



**Ref. 8301**

**Ref. 8306**

**Ref. 8311**

**FEATURES**

The Urmet DOMUS Intercom system can be used to set up two types of installations:

- intercom system with a maximum of 12 intercoms (all master stations);
- centralized with one master station and a maximum of 11 slave units.

In the "all master connection", all the stations can communicate with each other. It is possible to hold three simultaneous conversations with 6-key intercoms and six simultaneous conversations with 11-key intercoms.

Several intercoms can be called in parallel pressing the call keys required at the same time.

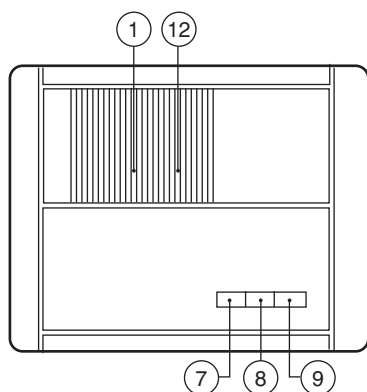
If 2 intercoms are engaged in a conversation and a third intercom calls one of these, this is inserted automatically in the conversation.

In a centralized connection, a master station can call or be called by up to 11 slave units.

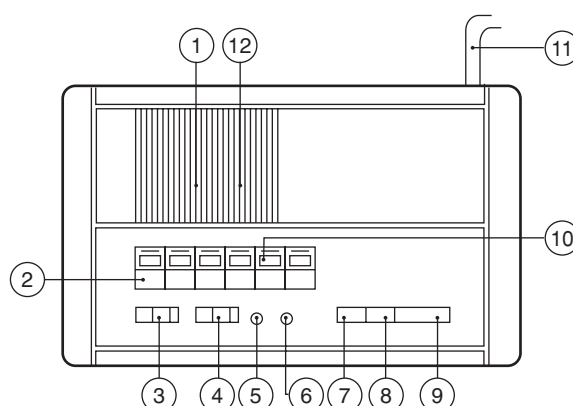
In both systems, only three conductors are required, i.e. 3 common wires plus one for each set. The system is powered by a centralized power supply.

**IMPORTANT: Respect a minimum distance when installing two devices which could interact in the same environment. The indicative distance of approximately ten meters can change significantly according to the type of environment.**

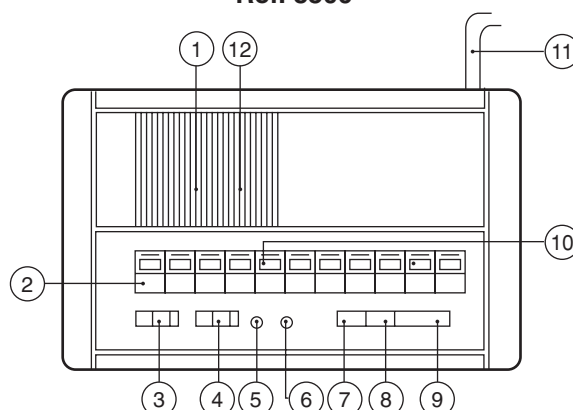
**INDICATORS AND CONTROLS**



**Ref. 8301**



**Ref. 8306**



**Ref. 8311**

- 1 Loudspeaker
- 2 Station selection keys
- 3 Voice volume adjustment (VOICE)
- 4 Call volume adjustment (TONE)
- 5 Intercom on indicator light (POWER)
- 6 Intercom operating indicator light (BUSY)
- 7 Secrecy key (PRIV)
- 8 Continuous transmission key (LOCK)
- 8 "Talk-Listen" key (TALK)
- 10 Station selected indicator light
- 11 Intercom cord
- 12 Microphone

**TECHNICAL DATA**

**POWER SUPPLY**

|                      |                  |
|----------------------|------------------|
| Voltage:             | 230Vac - 50Hz    |
| Power:               | 28VA             |
| Power supply output: | 12Vdc + - 0.6Vdc |

**INTERCOMS**

|                   |                                      |
|-------------------|--------------------------------------|
| Voltage:          | 12Vdc                                |
| Max. current:     | 250mA dc                             |
| Max. audio power: | 900 mW                               |
| Max. dimensions:  | Ref. 8301 170 x 55 x 155 mm          |
|                   | Ref. 8306 and 8311 255 x 55 x 155 mm |

**DESCRIPTION**

- Single slave unit without socket for centralized systems **Ref. 8301**
- Centralized 6-key intercom, master station with socket and cord **Ref. 8306**
- Centralized 11-key intercom, master station with socket and cord **Ref. 8311**
- 230V centralized power supply for bar mounting **Ref. 8500A**

## ALL MASTER INTERCOM SYSTEM

### Call from another station

Station A can call station B simply by pressing the call button of the station required.

The BUSY light and the light of the call key of station A switch on to indicate that the communication has been established, while a 1.5 second electronic call tone will ring on the slave unit.

After the call, station B is already engaged in a conversation with station A.

Device A to speak to device B must hold the TALK button pressed or switch the LOCK button (free-hands).

### Reply to the call

When you hear the call tone, press the TALK key and speak into the intercom.

Release the TALK key to listen.

The PRIV key is used to interrupt or to prevent insertion of a station and listening by this to local conversations of a second station.

## CENTRALIZED SYSTEM

### Master station

To call a slave unit, press the key of the unit required. The BUSY light and the call key of the master station will switch on, while a 1.5 second electronic call tone will ring on the slave unit.

Press the TALK key to speak and release it to listen.

Press the LOCK key for hands-free conversation.

At the end of the conversation, remember to reposition the LOCK key and the call key of the slave unit to free the system and switch off the BUSY light.

No operations are required to answer the call of a slave unit.

### Slave unit

To call a main appliance, lower the CH key.

The master station will receive an electronic call tone and the BUSY light will switch on at the same time.

Press the TALK key to speak and release it to listen.

At the end of the conversation, return to the CH key to the home position (raised).

The PRIV key is used to interrupt or to prevent insertion of the master station and listening by this to the local conversations of a slave unit.

## RECOMMENDATIONS FOR INSTALLATION AND USE

In intercom systems, place the power supply unit at the center of the installation.

To avoid inductive disturbances, do not lay conductors in conduits containing electrical, telephone lines, etc.

When the intercoms are not used for a long time, disconnect the power supply unit from the mains.

Do not expose the intercoms to rain or steam. Before connecting the power supply unit to the mains, switch off the main circuit breaker.

Comply scrupulously with the indications regarding the power terminals of the power supply unit.

On completion, replace the mains terminal protection cover.

Heat dissipation slots must not be obstructed.

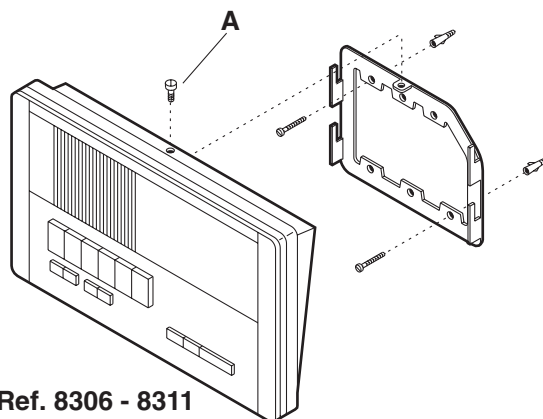
### Minimum diameter of the conductors:

| Distance (m) | Diameter (mm) | Cross-section (mm <sup>2</sup> ) |
|--------------|---------------|----------------------------------|
| 120          | 0.5           | 0.20                             |
| 200          | 0.65          | 0.33                             |
| 300          | 0.8           | 0.5                              |
| 480          | 1             | 0.8                              |

## WALL-MOUNTED

Fasten the bracket to the wall with screws and wall bolts.

Fasten the intercom unit to the brackets in the housings provided and fasten in place with the screw provided.



Ref. 8306 - 8311

## ELECTRONIC INTERCOM SYSTEM Mod. 926

Electronic intercom Mod. 926 can be installed in any building for a simple and efficient phonic communication system capable of supporting several communications simultaneously.

Up to 97 intercom house phone can be interconnected. There is no centralized device to manage the system since each intercom contains the necessary electronics for handling a dialogue with the rest of the installation.

There can be up to four independent communications simultaneously.

A general call can be made through an independent fifth phonic channel.

Programming is very easy and does not require having to open the intercom house phone.

There are two versions of the intercom house phone which can be easily distinguished one from the other by the presence or absence of the door-opener key:

- intercom model: **Ref. 926/1**
- intercom model that can be connected to a loudspeaking unit **Ref. 926/2**

There are two versions:

- connection to 97 intercoms max. only with intercom service;
- connection to 25 intercoms max. with intercom service and with possibility of answer to outdoor station.

## SYSTEM FEATURES

The following is a summary of system features:

- connection of a maximum of 97 intercom house phones;
  - very easy programming of the house phone codes that can be made directly from outside (of the same house phone);
  - 4 simultaneous and independent conversations;
  - possibility of conference among 4 house phones max.;
  - possibility of busy line insertion;
  - clearing the line (only from an activated house phone);
  - possibility to oblige the user to answer;
  - possibility to route the call to another house phone (follow-me).  
This function - if necessary - can be modified for realizing automatically the "secretary function";
  - "secretary" function, that is the possibility to transfer the incoming calls from an intercom "x" to a "y" one. Anyway "y" can call "x" and the last one can make outgoing calls;
  - paging function carried out by means of a 5th independent and dedicated line, connected to a loudspeaker by means of an amplifier (only from activated intercom/s);
  - possibility of connection to an amplifier able to manage sound and message diffusion with "disk-jockey" function (automatic lowering of the sound diffusion volume during the sounding message);
  - possibility to receive house phone calls from a call station appropriately connected (only for Mod. 926/2).
- In case the intercom is already engaged in conversation with another indoor set, the possible call from the outdoor station is signaled both visually and acoustically;
- automatic lowering of the sound intensity of the beep on the loudspeaker when the handset is unhooked and the hook is pressed with a finger.

**The system utilizes a single phonic ground conductor, therefore it cannot guarantee absolute secrecy of conversation, i.e. during the course of a conversation, it may be possible to hear another conversation in course on another line (crosstalk effect) at a distance. It will be necessary to adopt appropriate measures to minimize this problem.**

## EQUIPMENT

The device forming part of the system are as follows:

- Intercom house phone **Ref. 926/1**
- Intercom house phone and with connection to loudspeaking unit **Ref. 926/2**
- Table kit **Ref. 926/4**
- Power supply for electronic Intercom **Ref. 926/3**

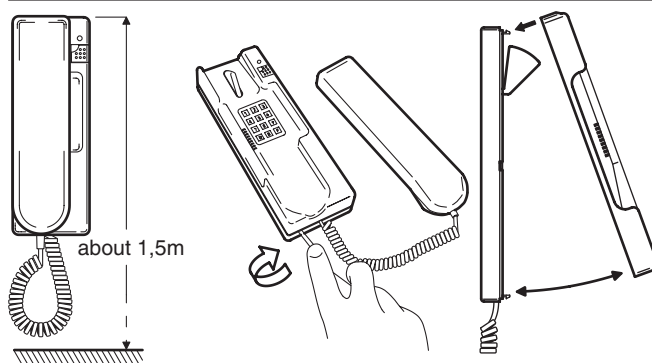
## INTERCOM HOUSE PHONE FEATURES

The intercom house phone can either be installed on a wall or on a table.

Adaptation kit Ref. 926/4, consisting of an inclined stand to facilitate the use of the intercom itself, is available for table installations.

## INSTALLATION

### WALL SET

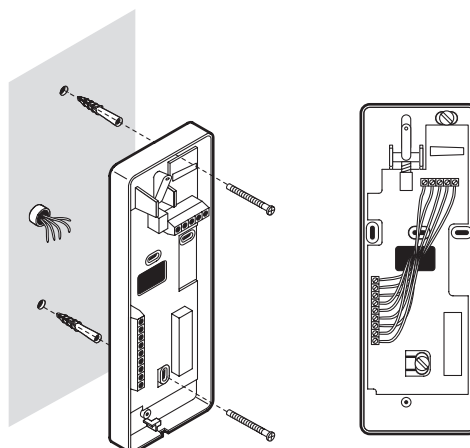


The intercom should be mounted about 1,5 m from the floor.

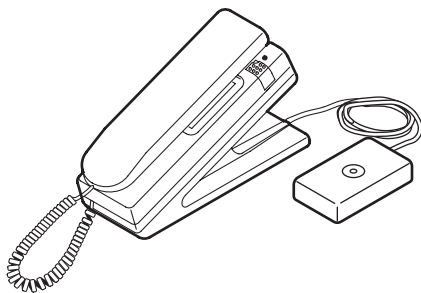
To remove the intercom casing from the base, lift up with a screwdriver in the area indicated.

Lift off the casing.

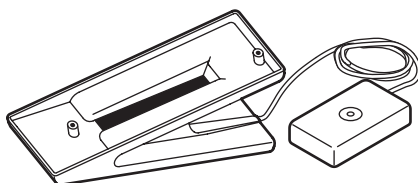
Use the screw anchors and screws furnished with the intercom to fasten the base to the wall.





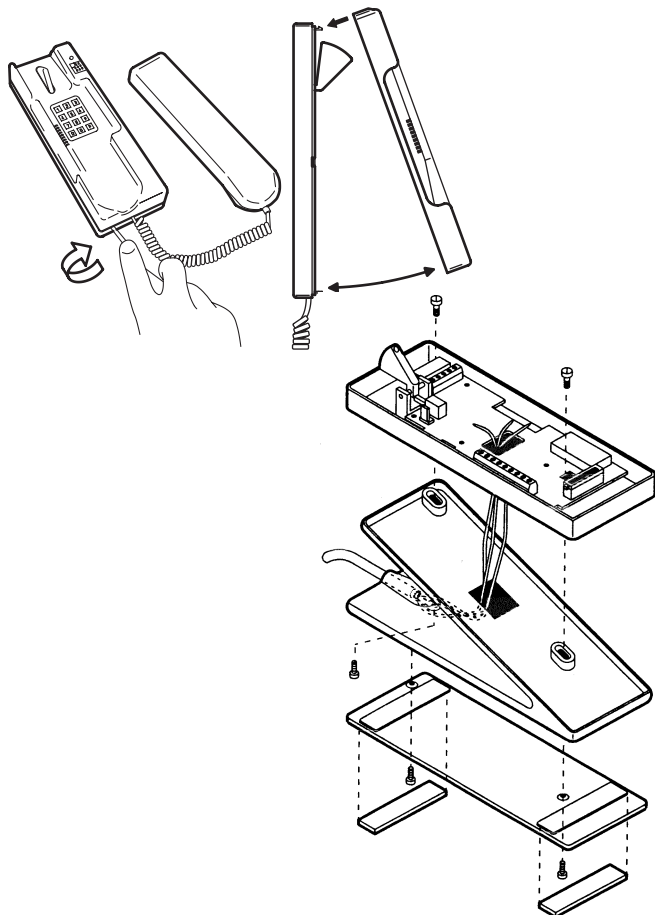
**EASIVOICE****ELECTRONIC INTERCOM SYSTEM Mod. 926****PUSH BUTTON PANEL AND AMPLIFIED LOUDSPEAKING UNIT - POWER SUPPLY Ref. 926/3****urmet**  
DOMUS**TABLE SET**

For table mounting it is necessary to buy the table kit that includes stand, cord with socket and accessories Ref. 926/4.



Proceed as follows:

- Remove the intercom casing by means of a screwdriver in the area indicated, rotating the cover on the two upper hooks.
- Release the two side latches E by pressing them from the inside of zone F.
- Fix the plate under the base by means of the proper screws.
- Insert under the base, in the proper holes, the two self adhesive rubbers (included in the socket kit);
- Insert the cord with socket and fix it to the hook. Then connect the system wires to the correspondent terminals of the terminal board.

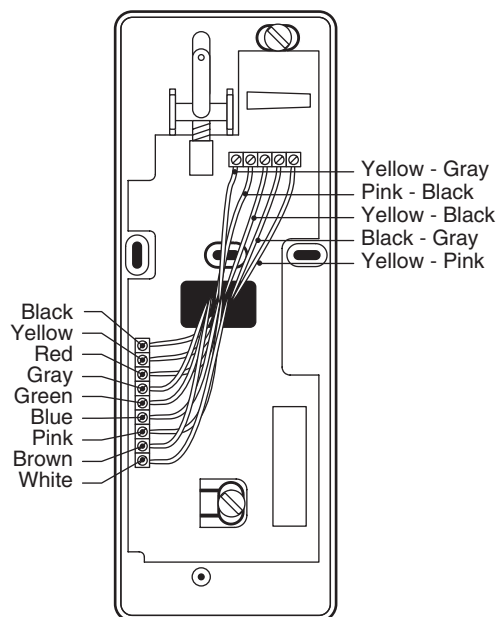


The connection cable wires to the house phone socket wire are very specific for table installations. They must be connected to the intercom terminals as follows:

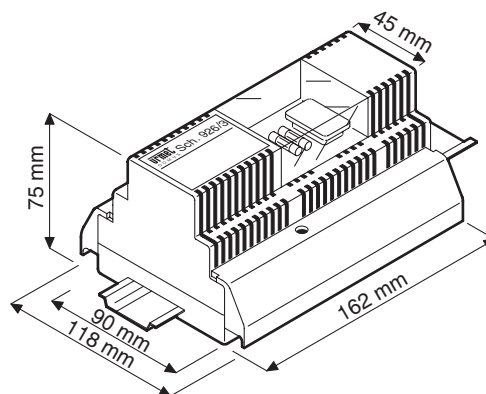
|     |       |    |        |
|-----|-------|----|--------|
| MI  | Black | D  | Yellow |
| +12 | Red   | MF | Gray   |
| L1  | Green | L2 | Blue   |
| L3  | Pink  | L4 | Brown  |
| L5  | White |    |        |

Connection for the loudspeaking unit (Ref. 926/2 only):

|    |              |     |            |
|----|--------------|-----|------------|
| CA | Yellow-Gray  | 2   | Pink-Black |
| 1  | Yellow-Black | -/~ | Black-Gray |
| AP | Yellow-Pink  |     |            |

**PUSH BUTTON PANEL AND AMPLIFIED LOUDSPEAKING UNIT**

The devices normally used in 4+n wire door phone systems can be employed.

**POWER SUPPLY Ref. 926/3**

This power supply has been designed according to the IEC 12/13 5th Ed. Dec. 1988 International Security Regulations - and is built following the present market requirements, the tendency of which is to centralize the electric equipment in proper cabinets.

## FEATURES

The power supply 926/3 is set for a medium system of 25 intercoms (926/1). In case of systems with more intercoms, connect more power supplies in parallel, up to 4 max. In this case follow carefully the system schemes.

## TECHNICAL DATA

### • Electrical characteristics

|                     |                |
|---------------------|----------------|
| Transformer power:  | 38 VA          |
| Powering:           | 110/230 ~      |
| Secondary voltages: | 11.5V 0.6 A    |
|                     | 24V 40 mA max. |
|                     | 24V 10 mA max. |

### • Powering 11.5 V section:

It supplies powering to the intercoms and max. current of 600 mA;

### • Phonic line powering section:

It includes 5 identic circuits. Each circuit supplies a constant current of about 30 mA with max. voltage of 24 V;

### • Data output:

It supplies a voltage of 24 V with a resistance series 2.2 K  $\Omega$  per data wire.

### • Amplifier output:

On this output the signal coming from the 5th phonic line is injected and it is uncoupled by means of condenser. The output circuit includes two schottky diodes with a 150  $\Omega$  resistance in parallel.

|                                   |   |
|-----------------------------------|---|
| Operating temperature:            | 0° C ÷ 40° C                              |
| Dimensions:                       |   |
| Length:                           | 162 mm                                    |
| Thickness:                        | 75 mm                                     |
| Width (with side protections):    | 108 mm                                    |
| Width (without side protections): | 90 mm                                     |
| Weight:                           | 0.950 Kg                                  |
| Connections:                      | by means of terminals with clamping screw |

## FUNCTIONS

All functions can be activated through the 12-key alphanumeric keypad located on the base of the intercom:

NOTE:  
R = Redial  
F = Follow-me

|   |   |   |
|---|---|---|
| 1 | 2 | 3 |
| 4 | 5 | 6 |
| 7 | 8 | 9 |
| R | 0 | F |

The key located on the upper right of Mod. 926/2 is used for opening the door. Other functions (clearing a line, general call) can only be performed from authorized (enabled) intercoms. The activation of these functions can only be done during the programming phase. Please consult the chapter on programming for further information.

## SINGLE CALL

### Caller

To talk to another intercom station:

- lift the handset;
- dial the TWO DIGIT number of the other-party;
- listen for the tone and observe the led:
  - ringing tone: wait for the called party to answer;
  - busy tone and led off: the number called is engaged → try again later or activate the automatic redial function or the clear the line function (if authorized);
  - busy tone and led on: the 4 telephone lines are engaged → try again later.

### Called Party

When the phone rings, lift up the handset and begin the conversation. At the end of the conversation, if the called party hangs up the handset

the intercom is disconnected from the line and it will communicate, on the data line, the end of the conversation to the caller who, in his turn, will disconnect his intercom physically and logically from the line. The handset will be mute until the hanging up.

On the contrary, If the caller hangs up the handset, he will free the line, physically and logically, and he will communicate to the called party the end of conversation. This last one, in his turn, will disconnect the intercom physically.

*A conversation cannot last longer than 10 minutes in order to allow other users access to the phone lines. Once this time has lapsed, an acoustic "end-of-conversation warning" signal will be sent to both intercom house phones.*

*The communication will be disconnected 10 seconds after the warning signal.*

## REDIAL RESERVATION

### Caller

If the number called is engaged, an automatic redial reservation can be activated by pressing the "R" key before hanging up. Then listen for the tone:

- no tone: automatic redial reservation was accepted → hang up;
- persistent busy tone: automatic redial reservation was not accepted because the number called already has an automatic redial reserved onto its line from another intercom → hang up and try again later. When the intercom house phone that was reserved to becomes free, the caller who initiated the reservation will automatically receive a call-back.

*Attention: there will be situations in which the call-back will not take place. These situations will be described in the "Called Party" section below.*

### Called Party

During the course of a normal conversation, any reservations to the line will be indicated by a blinking led on the intercom. The user who is the subject of a reservation has two courses of action:

- he can decide "a priori" to eliminate the reservation by pressing the "R" key either during the course of the conversation or immediately after hanging up (within 5 seconds);
- he can decide to talk to whoever had reserved by hanging up and waiting for the system to automatically set up the communication and then for his intercom to ring.

If all of the phonic lines are not engaged, this will take place within 5 seconds after hanging up. If, however, all the lines are engaged, the system will attempt to establish the communication every 15 seconds, up to maximum of 10 trials. The reservation will be canceled if the tenth attempt was also unsuccessful.

## CLEARING THE LINE

### Caller (only from authorized intercom house phones)

Lift the handset and dial the number of the called party. If this party is on the line (busy tone is heard and led is off), the line can be "cleared" i.e. the conversation in course can be disconnected. To do so, simply dial the special "00" number.

Conversation will be established with the cleared intercom house phone within 20 seconds.

### Called Party

A clearing request during the course of a normal conversation will be identified both acoustically and visually (blinking led).

At this point, the called party will have 20 seconds in which to terminate the conversation in course.

There are two possible courses of action:

- hang up within 20 seconds. The intercom will ring and when the handset is lifted, communication will be established with the caller who had initiated the "clearing";
- if the called party does not hang up within 20 seconds, he will be disconnected from his current conversation and connected with the caller who had requested the "clearing".

*The line clearing function WILL HAVE NO EFFECT on another intercom which is also authorized to clear lines or if the intercom is in communication with the outdoor station.*

## ELECTRONIC INTERCOM SYSTEM Mod. 926

EASIVOICE

PROGRAMMING - INSTALLATION

urmet  
DOMUS

## CONFERENCE CALL

The conference function can connect up to four different users in one phonic communication. Only the intercom which made the first call can call other intercom in the course of a conversation. In order to include another intercom in the conversation, simply dial the extension number. One of the following situations will occur:

- the intercom house phone called is free: when the handset is lifted, the called party will be included in the conversation in course;
- the intercom house phone is free: if the handset is not lifted within 30 seconds, the call will not go through;
- the intercom house phone called is engaged: there will be a busy tone of a short duration.

## FOLLOW-ME

This function allows incoming calls to be routed to another intercom. Up to a maximum of eight other intercoms can be routed to one intercom. Several consecutive reroutings of calls from one intercom can be made to several different intercoms.

## How to forward calls from one intercom house phone to another

- Go to the other intercom house phone.
- Lift the handset of the other intercom.
- Press the dedicated "F" key and dial the number of your intercom house phone.
- Listen for the tone on the handset; one of the following two situations will take place:
  - dial tone: the operation was successful → hang up;
  - busy tone: calls cannot be routed because calls to 8 other intercoms have already been forwarded to that intercom → hang up.

## How to reset your intercom house phone

- Return to your intercom.
- Lift the handset.
- Press the dedicated "F" key and dial your own number.
- Hang up.

## Secretary function

This function permits the user to route his own incoming calls to another intercom (i.e. the secretary one). All his own incoming calls are routed to the secretary intercom EXCEPT the call that arrives from the same secretary. In this way the secretary can, if needed, "announce" the calls; anyway it cannot "transfer" the call. The routed set can always make outgoing calls (and then it can call again the person "announced" by the secretary). This function can be carried out by modifying the "follow me" as regard to the last paragraph (the crossed one).

## GENERAL CALLS (only from authorized intercom house phone)

A general call can be made through a loudspeaker connected to a suitable amplifier.

The general call can take place at the same time as four other conversations, without interfering with them. General call can only be made from intercoms which were explicitly defined for making such calls during the programming phase.

To make a general call:

- lift the handset;
- dial the special "99" number;
- wait for the "ding-dong" to be generated;
- make the announcement;
- redial the special "99" number;
- hang up.

## ANSWERING A CALL FROM THE OUTDOOR STATION

This feature is only available on Ref. 926/2 intercom house phone. A call from the outdoor station produces a different acoustic signal from the normal one and can be easily recognized. Lift the handset to establish communication; the open-door key can be used to operate the electric lock at any point.

When a user, engaged in conversation with the outdoor station, receives a call from the inside, he visualize the call on the led without the possibility to be interrupted (not even with the clearing the line function).

Vice versa, when a user, engaged in conversation with another internal user, receives a call from an outdoor station, he will see the blinking led up to the call key is pressed and he will hear an acoustic signal that indicates the call with more emphasis.

## PROGRAMMING

All the intercom house phones are produced and tested by URMET DOMUS. They are all programmed with the following values during the testing phase:

- number: 98
- general call function disabled: 0
- line clearing disabled: 0

The devices must all be programmed with two digits, e.g. from 01 to 09, from 10 to 19, from 20 to 25, or with any other number from 01 to 97.

These values can be changed at any time through the keypad by following the procedure described below:

- simultaneously press the "R" and the "F" keys for two seconds. If one or two "beeps" are heard while the keys are pressed, it means that the two keys were not pressed simultaneously → repeat the operation;
- when the led is lit and a brief acoustic tone is heard, release the two keys;
- enter the number to be assigned to the intercom;
- the led will go off for a short interval and then go on again, coinciding with a brief acoustic tone;
- set authorization (1) or disable (0) for the general call function.
- the led will go off for a short interval and then go on again, coinciding with a brief acoustic tone;
- set authorization (1) or disable (0) for the line clearing function.
- the led goes off definitively, coinciding with a brief acoustic tone.

*If the procedure described above is not completed within 30 seconds, the intercom will return to normal operating conditions, without storing the setting that were entered.*

## INSTALLATION

## WIRES LAYING

All system intercom house phones must be interconnected in parallel using 9 wires (or 8 if the general call installation is not provided for).

These wires have the following functions:

- 1 for the power supply voltage + 12
- 1 for the logical ground ML
- 1 for the data line D
- 4 for the 4 phonic lines L1, L2, L3, L4
- 1 for the general call phonic line (this wire can be omitted on installations where this feature is not required) L5
- 1 for the phonic ground MF

In addition, installations connected to a Call Station must be considered 4+N additional wires, which increase the number of wires to the installation to 13+N (where N depends on the number of call keys used – usually 1 or 2).

These 4+N wires are used as follows:

- 3 for the talk volume (F1, F2 and ground);
- 1 for the door-opener;
- N for the call.

If the GENERAL call amplifier is not used do not connect the wire L5.

The maximum distance between the power supply and the furthest intercom must be less than 200 meters.

The maximum distance between two intercom house phones to ensure a relatively low cross-talk effect is 200 meters. The cross-talk effect increases progressively with an increase in distance.

It is therefore advisable to avoid unnecessary connections distances.

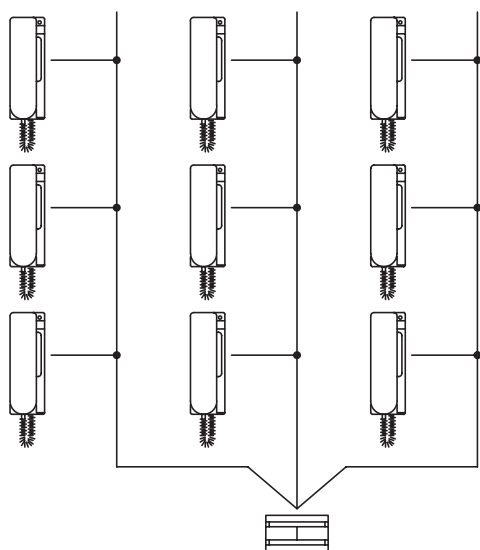


## WIRE SECTION

The section of the wires to be used depends on the distance between the two intercoms furthest from the installation. Note carefully the following table:

|                            |      |      |      |
|----------------------------|------|------|------|
| Max distance (meters)      | 50   | 100  | 200  |
| Section (mm <sup>2</sup> ) | 0,50 | 0,80 | 1    |
| R (Ohm/Km)                 | 35   | 21,8 | 17,5 |

Should it be necessary to have larger installations, it would be possible to resort to a solution in which more branches lead off from one point, as illustrated in the figure below. In this case, the cross-talk effect would remain unchanged within each individual branch (the maximum distance between any two intercoms must therefore be less than 200 meters). However, intercoms on different branches would not have any effect on each other. This type of solution can also be used on normal installations, i.e. for short distances, to further reduce the cross-talk effect.



## CONNECTION TO THE GENERAL CALL UNIT

A suitable amplifier must be connected between the “A+” and the “A-” terminals of the power supply in order to equip the installation with a general call system. The amplifier must have a 0,775 mV (or dBm) input with an input impedance greater than 50 Ohm and with its output power selected in function of the number and power of the loudspeakers to be used.

For, example, the following RCF models can be used advantageously:

- UP 41-V (for output up to 40 W);
- UP 61-V (for output up to 60 W);
- UP 121-V (for output up to 120 W);
- UP 151-V (for output up to 150 W);

Any other amplifier having the above characteristics can be used.

It is recommended that the amplifier be placed as close to the power supply as possible and be connected to it with a shielded cable.

## CONNECTION TO THE CALL STATION

Installation can be made with up to two Call Stations with automatic switching (through a 788/1 relay box). Each Call Station must consist of a Loudspeaking Unit Ref. 5150/500 or 824/500 and a certain number of call keys.

Power to the Call Station must be supplied separately by a dedicated power supply (e.g. Ref. 786/1A). Connections to the loudspeaking unit must be made through terminal 1A. The electric lock must be activated through a Ref. 788/21 repeater relay. The door-opener is always a “free door-opener”, i.e. the door can be opened at any time by pressing the door opener-key.

## INSTALLATIONS WITH ONE CALL KEY

A basic installation is one in which several intercoms (type 926/2) are connected to a Call Station and can all answer a single call key. In this case, when there is a call, all 926/2 intercoms will ring at the same time. The first intercom to answer will automatically exclude the other intercom, thus ensuring conversation privacy. The maximum number of 926/2 intercoms which can be connected in parallel depends, in this case, on the total number of intercoms (926/1 + 926/2) in the installation.

The following table summarizes the situation for standard installations with just one power supply.

| Total numbers of intercoms (926/1 + 926/2) | Number of 926/2 which can be connected to a Call Station on one call button |
|--|---|
| 1  | 1   |
| 2  | 2   |
| ·  | ·   |
| ·  | ·   |
| 15   | 15  |
| 16   | 16  |
| 17   | 15  |
| 18   | 14  |
| 19   | 14  |
| 20   | 13  |
| 21   | 12  |
| 22   | 12  |
| 23   | 11  |
| 24   | 10  |
| 25   | 10  |

Note that when the total number of intercom house phones in the installation is less than 16, they can all be type 926/2 and can be connected to the Call Station on the one call key. As the total number of intercoms in the installation is increased, the number of 926/2 which can be connected to a Call Station decreases progressively to 10.

## INSTALLATIONS WITH TWO OR MORE CALL KEYS

This type of installation is used in small buildings (2/4/8/ apartments) where intercommunications and the “Follow-me” feature would be of interest. In this case, the cable conduit would be 8 (or 9) + 4 + N wires, which would limit possible applications to small user bases.

Type 926/2 intercoms must be used. They must be grouped in several groups (usually 1, 2 or 3 units each), each of which is assigned to a call key. When there is a call, all intercoms within the same group will ring simultaneously. The first intercom to answer will automatically exclude the other intercom house phone in that group, thus ensuring secrecy of conversation.

The table in the previous section remains valid, even though the number of 926/2 intercoms that are connected to each call key is generally 1 or at maximum, 2 or 3, in this type of installation.

# **ELECTRONIC INTERCOM SYSTEM MOD. 926 EASIVOICE** **INTERCOM CONNECTION OF MAXIMUM 25 INTERCOM HOUSE PHONES** **Possibility of general call service by means of loudspeakers**

**urmet**  
DOMUS

## **FEATURES**

This system allows an intercom service up to 25 intercom house phones maximum and with possibility of 4 simultaneous and independent conversations.

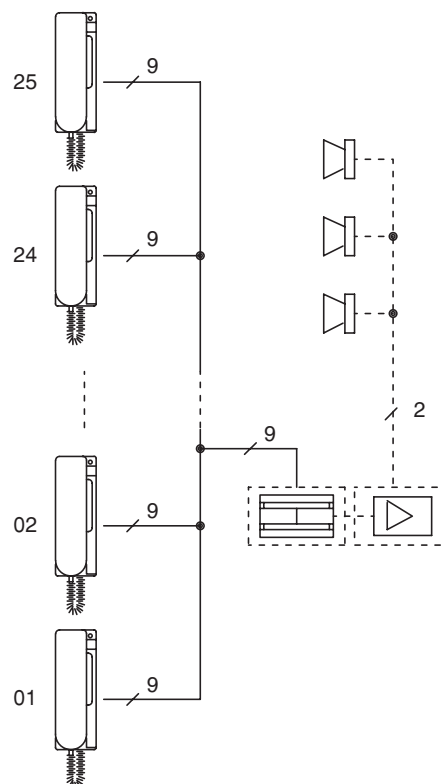
It is possible to make a general call by means of a 5th independent phonic channel.

All the intercom house phones must be programmed with two digits, i.e. from 01 to 09, from 10 to 19, from 20 to 25, or any other number between 01 and 97.

Connect the GENERAL CALL installation only if necessary. It is recommended that the amplifier be placed as close to the power supply as possible and be connected to it with a shielded cable.

The power supply Ref. 926/3 is sized for an average installation of 25 intercoms. A larger number of intercoms will require additional power supplies connected in parallel, each of which will supply power to its own group of 25.

It is recommended that the power supply Ref. 926/3 be placed at the center of the installation to minimize the cross-talk effect.



## **EQUIPMENT**

For said installation (Scheme SC101-0313D) the following:

|       |   |                   |
|-------|---|-------------------|
| N. 25 | Intercom house phones                           | <b>Ref. 926/1</b> |
| N. 1  | Power supply                                    | <b>Ref. 926/3</b> |
| N. 1  | Amplifier                                       |                   |
|       | <i>Possible and not supplied by URMET DOMUS</i> |                   |
| N. X  | Loudspeakers                                    |                   |
|       | <i>Possible and not supplied by URMET DOMUS</i> |                   |

## **WIRES**

As indicated in Scheme SC101-0313D.

9 wires common to all the intercom house phones coming from the power supply are necessary.

In case the amplifier is not used for the GENERAL CALL, do not connect the wire L5 among the several intercoms. The common wires are reduced to 8.

## **DIAGRAM NOTES**

(see section 1)

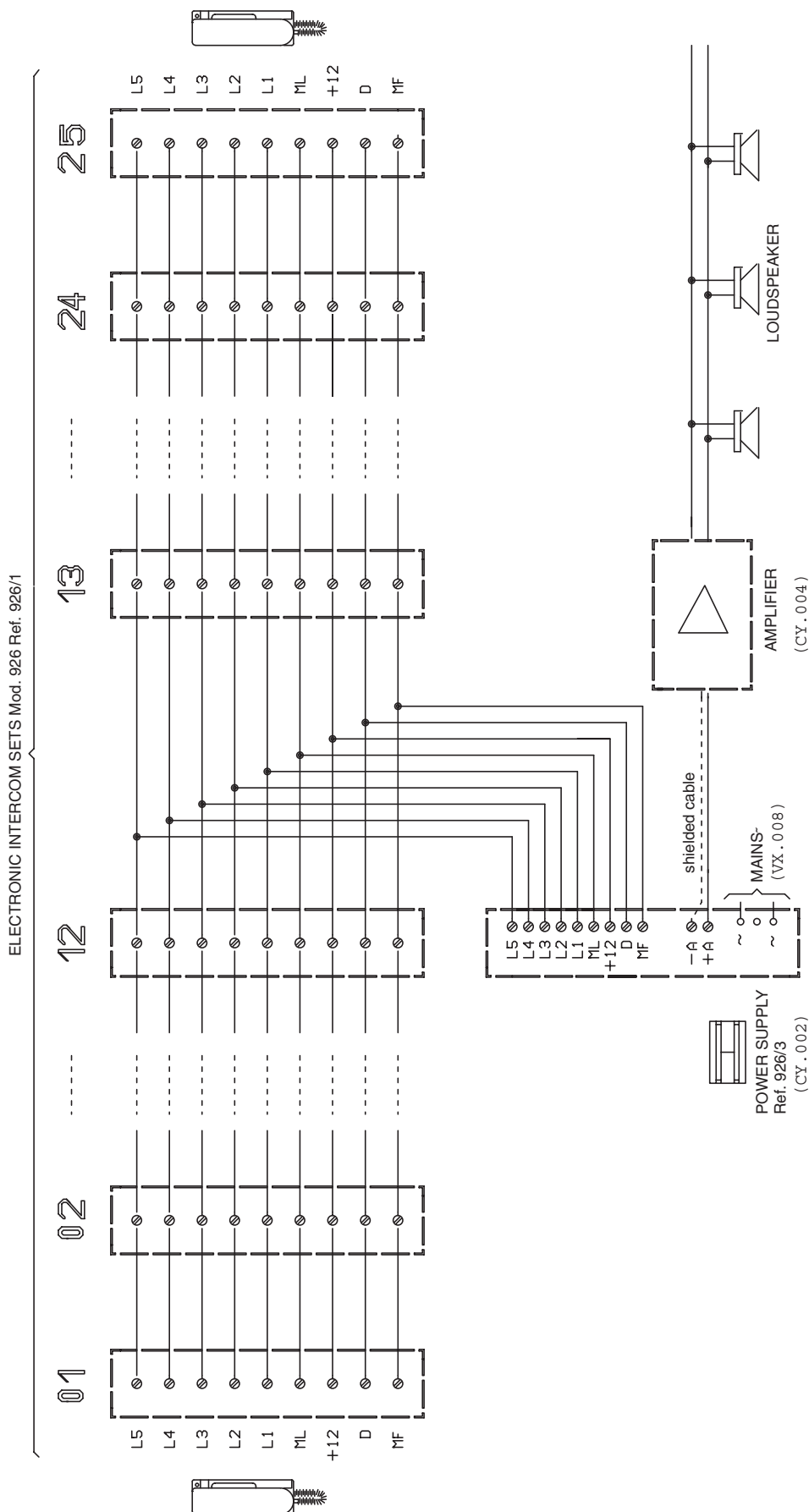
CY.001

CY.002

CY.003

CY.004

VX.008



# ELECTRONIC INTERCOM SYSTEM MOD. 926 EASIVOICE

## INTERCOM CONNECTION OF MAXIMUM 97 INTERCOM HOUSE PHONES

### Possibility of general call service by means of loudspeakers

**urmet**  
DOMUS

## FEATURES

This system allows an intercom service up to 97 intercom house phones maximum and with possibility of 4 simultaneous and independent conversations.

It is possible to make a general call by means of a 5th independent phonic channel.

The intercom house phones must all be programmed with two digits, i.e. from 01 to 09, from 10 to 19, from 20 to 25, or any other number between 01 and 97.

Connect the GENERAL CALL installation only if necessary. It is recommended that the amplifier be placed as close to the power supply as possible and be connected to it with a shielded cable.

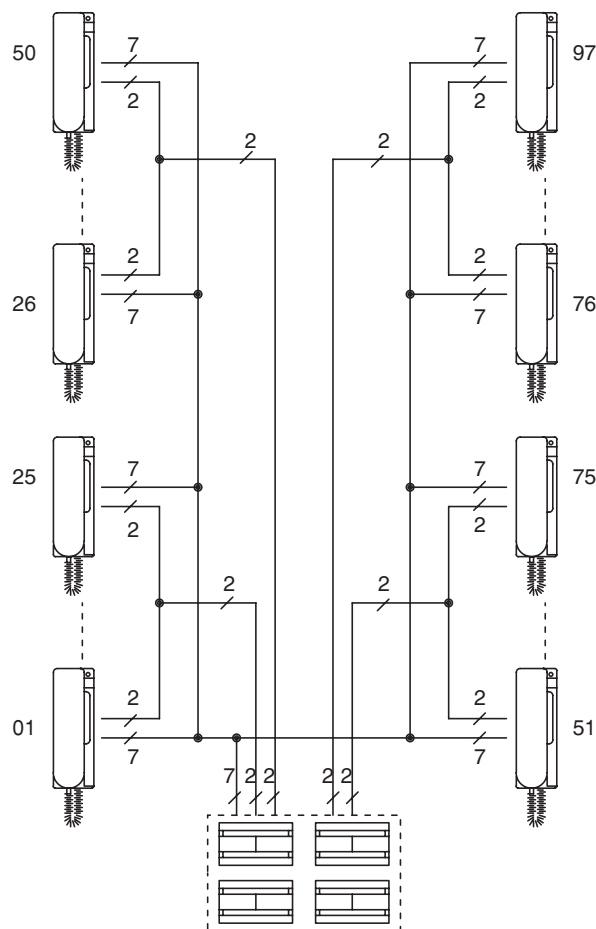
The power supply Ref. 926/3 is sized for an average installation of 25 intercoms. A larger number of intercoms will require additional power supplies connected in parallel, each of which will supply power to its own group of 25.

It is recommended that the power supply Ref. 926/3 be placed at the center of the installation to minimize the cross-talk effect.

## EQUIPMENT

For said installation (Scheme SC101-0315D) the following:

|       |   |                   |
|-------|---|-------------------|
| N. 97 | Intercom house phones                           | <b>Ref. 926/1</b> |
| N. 4  | Power supplies                                  | <b>Ref. 926/3</b> |
| N. 1  | Amplifier                                       |                   |
| N. X  | Loudspeakers                                    |                   |
|       | <i>Possible and not supplied by URMET DOMUS</i> |                   |
|       | <i>Possible and not supplied by URMET DOMUS</i> |                   |



## WIRES

As indicated in Scheme SC101-0315D.

7 wires common to all the intercom house phones coming from the power supply are necessary.

Each power supply feeds its group of 25 intercoms with 2 wires common to the intercoms of that group.

In case the amplifier is not used for the GENERAL CALL, do not connect the wire L5 among the several intercoms. The common wires are reduced to 6.

## DIAGRAM NOTES

(see section 1)

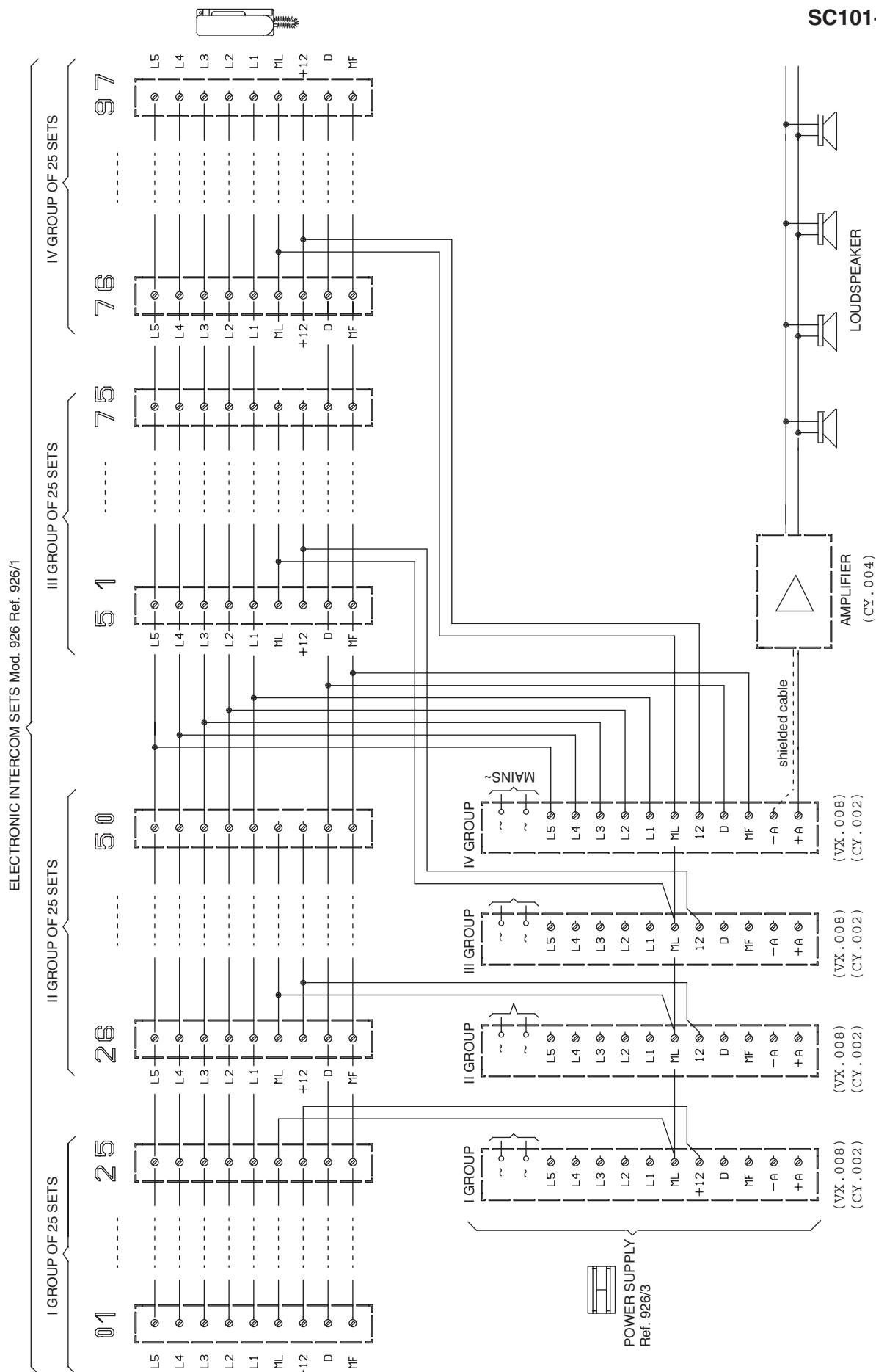
CY.001

CY.002

CY.003

CY.004

VX.008



# **ELECTRONIC INTERCOM SYSTEM MOD. 926 EASIVOICE** **INTERCOM CONNECTION OF MAXIMUM 16 INTERCOM HOUSE PHONES** **With possibility to answer to 1 outdoor station** **All the intercom house phones are called in parallel from the outdoor station**



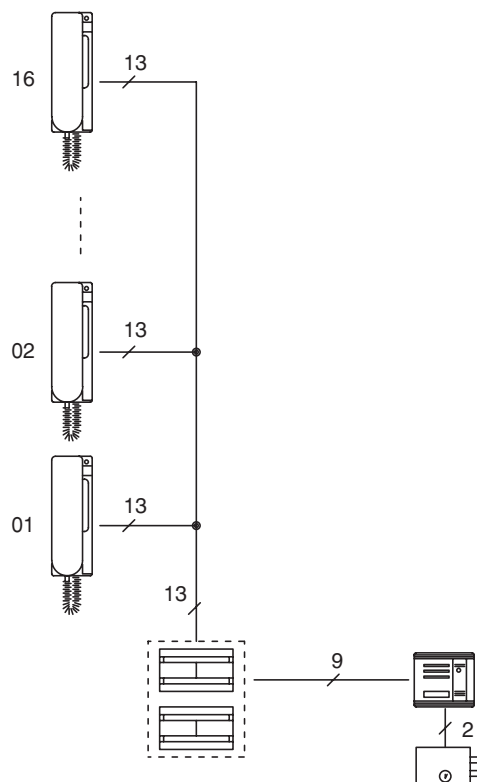
## **FEATURES**

This system allows an intercom service up to 16 intercom house phones maximum and with possibility to answer to the calls coming from the outdoor station. It is possible to make 4 simultaneous conversations among the several intercoms plus one with the outdoor station.

The outdoor station has only one call key. When it is pressed all the intercom house phones 926/2 ring simultaneously: the first intercom that answers automatically excludes all the other ones, guaranteeing the secrecy of conversation.

The intercom house phones must all be programmed with two digits, i.e. from 01 to 09, from 10 to 19, from 20 to 25, or any other number between 01 and 97.

Due to absorption problems, no more than 16 intercoms can be called in parallel. It is recommended that the power supply Ref. 926/3 be placed at the center of the installation to minimize the cross-talk effect.



## **EQUIPMENT**

For said installation (Schema SC 101-0316E) the following:

|       |  |   |
|-------|--|---|
| N. 16 | Intercom house phones  | <b>Ref. 926/2</b>   |
| N. 1  | Power supply   | <b>Ref. 926/3</b>   |
| N. 1  | Power supply:<br>28VA for bar mounting<br>38VA for bar mounting  | <b>Ref. 786/1A or Ref. 786/14A</b><br><b>Ref. 786/38A</b> |
| N. 1  | Push button panel arranged for loudspeaking unit with 1 button<br>or:<br>Push button panel with 1 button | <b>Mod. 725</b><br><b>Kombi</b>                           |
| N. 1  | Loudspeaking unit for normal panels Mod. 725<br>or:<br>Loudspeaking unit for Kombi panels                | <b>Ref. 5150/500</b><br><b>Ref. 824/500</b>               |
| N. 1  | Relay device   | <b>Ref. 788/21</b>  |

## **WIRES**

As indicated in Scheme SC101-0316E.

13 wires common to all the intercom house phones are necessary, 8 of which coming from the power supply Ref. 926/3 and 5 from the push button panel, power supply and relay.

The electric lock will be released through the relay box Ref. 788/21.

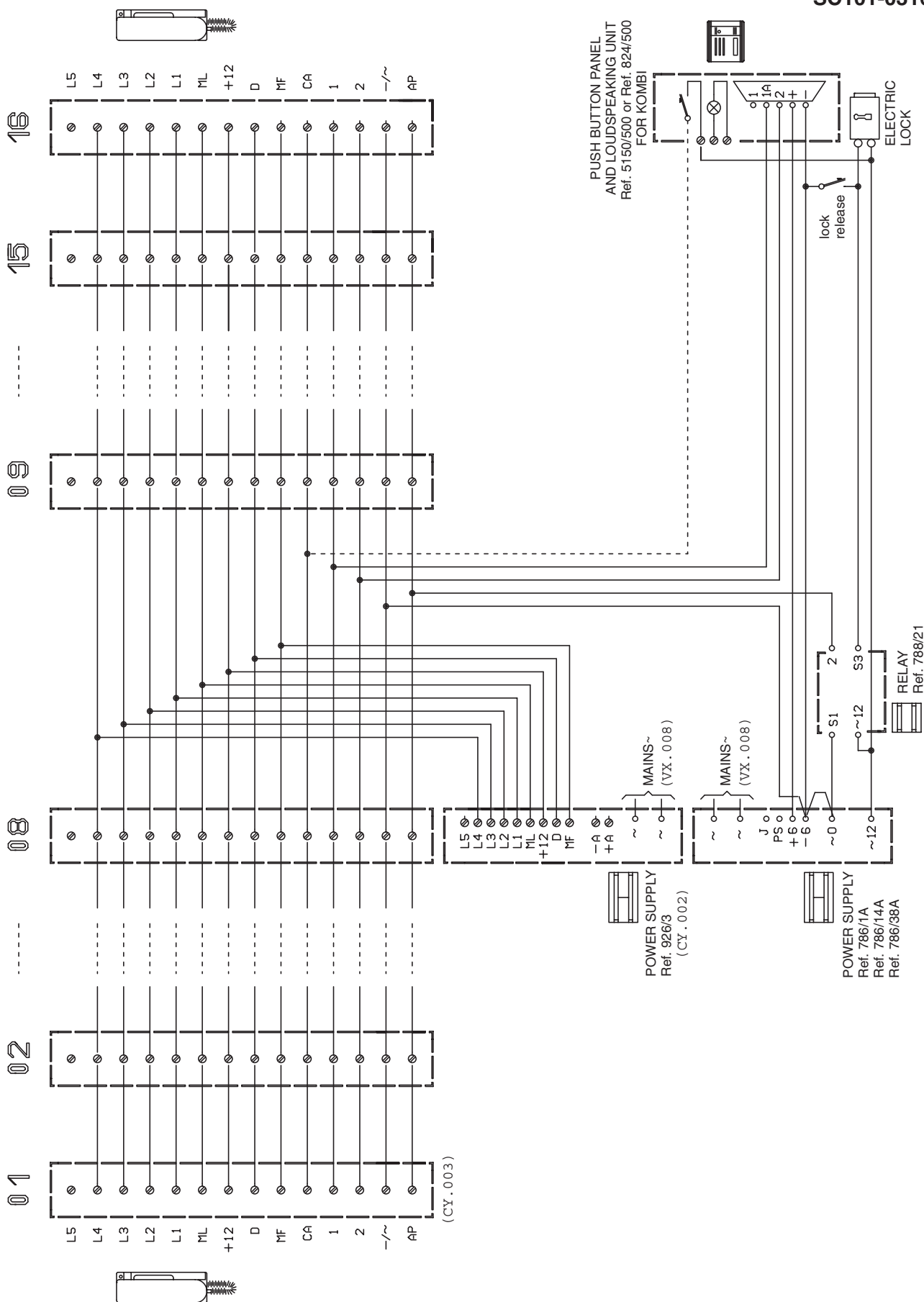
## **DIAGRAM NOTES**

(see section 1)  
**CY.001**  
**CY.002**  
**CY.003**  
**VX.008**

**ELECTRONIC INTERCOM SYSTEM MOD. 926 EASIVOICE**  
**INTERCOM CONNECTION OF MAXIMUM 16 INTERCOM HOUSE PHONES**  
With possibility to answer to 1 outdoor station  
All the intercom house phones are called in parallel from the outdoor station

ELECTRONIC INTERCOM SETS Mod. 926 Ref. 926/2

SC101-0316E



# **ELECTRONIC INTERCOM SYSTEM MOD. 926 EASIVOICE** **INTERCOM CONNECTION OF MAXIMUM 16 INTERCOM HOUSE PHONES** **With possibility to answer to 1 outdoor station** The intercoms are divided in two groups of 8. The outdoor station is equipped with two keys: with one of them it calls in parallel the 8 intercoms of group I, with the second one those of group II



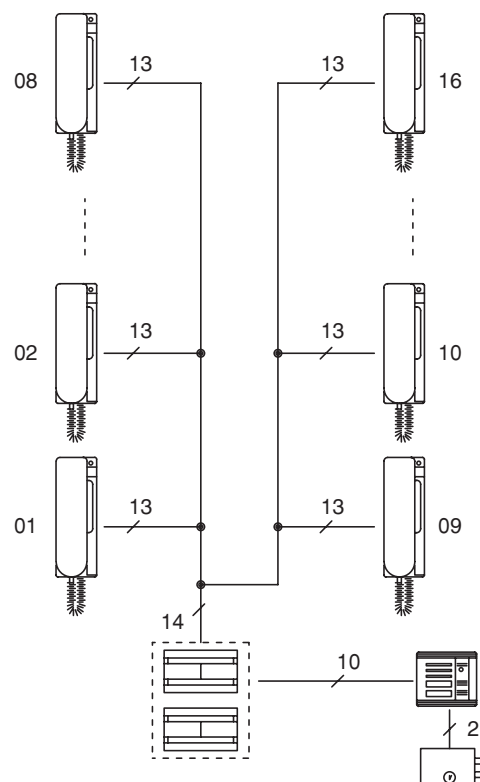
## **FEATURES**

This system allows an intercom service up to 16 intercom house phones maximum and with possibility to answer to the calls coming from the outdoor station. It is possible to make 4 simultaneous conversations among the several intercoms plus one with the outdoor station.

The outdoor station has only two call keys: with one of them it calls in parallel the 8 intercoms of group I, with the second one those of group II. The first intercom that answers automatically exclude all the other ones, guaranteeing the secrecy of conversation.

The intercom house phones must be programmed with two digits, i.e. from 01 to 09, from 10 to 19, from 20 to 25, or any other number between 01 and 97.

Due to absorption problems, no more than 16 intercoms can be called in parallel. It is recommended that the power supply Ref. 926/3 be placed at the center of the installation to minimize the cross-talk effect.



## **EQUIPMENT**

For said installation (Schema SC 101-0361E) the following:

|       |   |   |
|-------|---|---|
| N. 16 | Intercom house phones   | <b>Ref. 926/2</b>   |
| N. 1  | Power supply  | <b>Ref. 926/3</b>   |
| N. 1  | Power supply:<br>28VA for bar mounting<br>38VA for bar mounting   | <b>Ref. 786/1A or Ref. 786/14A</b><br><b>Ref. 786/38A</b> |
| N. 1  | Push button panel arranged for<br>loudspeaking unit with 2 buttons<br>or:<br>Push button panel with 2 buttons | <b>Mod. 725</b><br><b>Kombi</b>                           |
| N. 1  | Loudspeaking unit for normal panels Mod. 725<br>or:<br>Loudspeaking unit for Kombi panels                     | <b>Ref. 5150/500</b><br><b>Ref. 824/500</b>               |
| N. 1  | Relay device  | <b>Ref. 788/21</b>  |

## **WIRES**

As indicated in Scheme SC101-0361E 12 wires common to all the intercom house phones are necessary, 8 of which coming from the power supply Ref. 926/3 and 4 from the push button panel, power supply and relay. Moreover from the push button panel two other wires, for calls, start; each of them is connected in parallel to the 8 intercoms of the correspondent group.

The electric lock will be released through the relay box Ref. 788/21.

## **DIAGRAM NOTES**

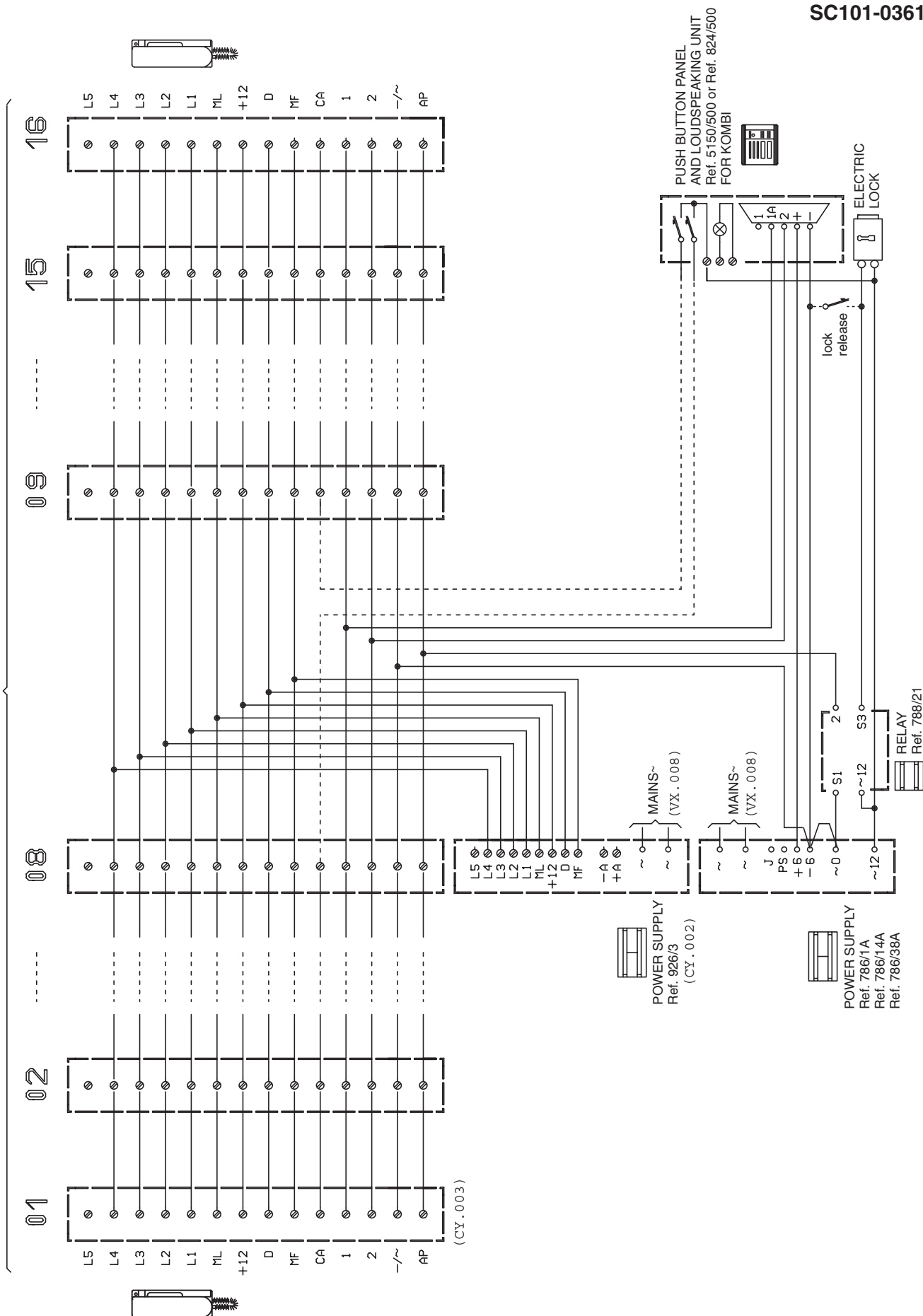
(see section 1)  
**CY.001**  
**CY.002**  
**CY.003**  
**VX.008**



**ELECTRONIC INTERCOM SYSTEM MOD. 926 EASIVOICE**  
**INTERCOM CONNECTION OF MAXIMUM 16 INTERCOM HOUSE PHONES**  
With possibility to answer to 1 outdoor station The intercoms are divided in two groups of 8. The outdoor station is equipped with two keys: with one of them it calls in parallel the 8 intercoms of group I, with the second one those of group II

SC101-0361E

ELECTRONIC INTERCOM SETS MOD. 926 Ref. 926/2



**ELECTRONIC INTERCOM SYSTEM MOD. 926 EASIVOICE**  
**INTERCOM CONNECTION OF MAXIMUM 16 INTERCOM HOUSE PHONES**  
 With possibility to answer to 1 outdoor station. The intercoms are called separately from the outdoor station. Possibility of paging service by means of loudspeakers

**urmet**  
DOMUS

## FEATURES

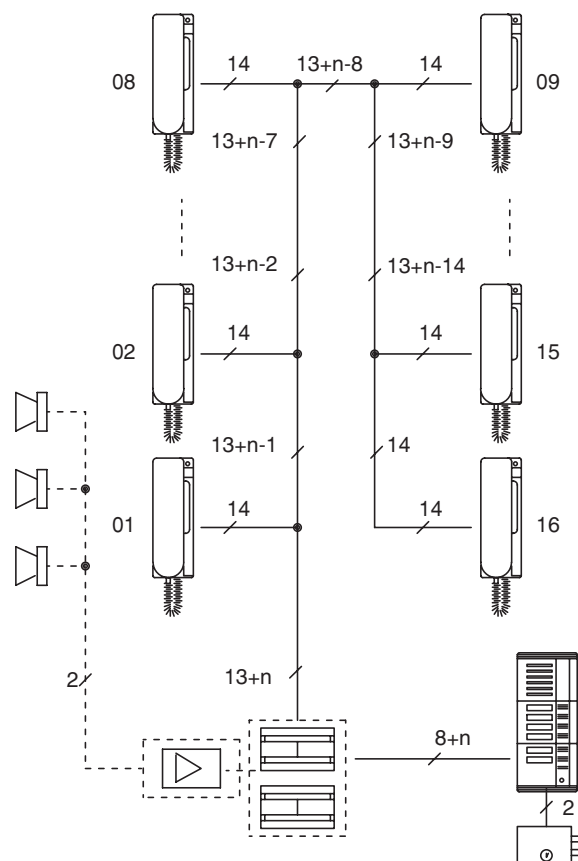
This system allows an intercom service up to 16 intercom house phones maximum and with possibility to answer to the calls coming from the outdoor station. It is possible to make 4 simultaneous conversations among the several intercoms plus one with the outdoor station.

The outdoor station calls the several intercoms separately.

The intercom house phones must all be programmed with two digits, i.e. from 01 to 09, from 10 to 19, from 20 to 25, or any other number between 01 and 97.

The GENERAL CALL must be connected only if necessary. It is recommended to place the amplifier as close as possible to the power supply and to connect them with a shielded cable.

Due to absorption problems, no more than 16 intercoms can be called in parallel. It is recommended that the power supply Ref. 926/3 be placed at the center of the installation to minimize the cross-talk effect.



## EQUIPMENT

For said installation (Schema SC101-0382D) the following:

|       |   |  |
|-------|---|--|
| N. 16 | Intercom house phones   | <b>Ref. 926/2</b>  |
| N. 1  | Power supply  | <b>Ref. 926/3</b>  |
| N. 1  | Power supply:<br>28VA for bar mounting<br>38VA for bar mounting                           | <b>Ref. 786/1A</b> or <b>Ref. 786/14A</b><br><b>Ref. 786/38A</b> |
| N. 1  | Push button panel arranged for loudspeaking unit<br>or:<br>Push button panel              | <b>Mod. 725</b><br><b>Kombi</b>                                  |
| N. 1  | Loudspeaking unit for normal panels Mod. 725<br>or:<br>Loudspeaking unit for Kombi panels | <b>Ref. 5150/500</b><br><b>Ref. 824/500</b>                      |
| N. 1  | Relay device  | <b>Ref. 788/21</b>   |
| N. 1  | Amplifier<br><i>Possible and not supplied by URMET DOMUS</i>                              |  |
| N. X  | Loudspeakers<br><i>Possible and not supplied by URMET DOMUS</i>                           |  |

## WIRES

As indicated in Scheme SC101-0382D.

13 wires common to all the intercom house phones are necessary, 9 of which coming from the power supply Ref. 926/3 and 4 from the push button panel, power supply and relay.

Moreover from the push button panel all single call wires start towards each intercom.

In case the amplifier is not used for the GENERAL CALL, do not connect the wire L5 among the several intercoms. The common wires are reduced to 12.

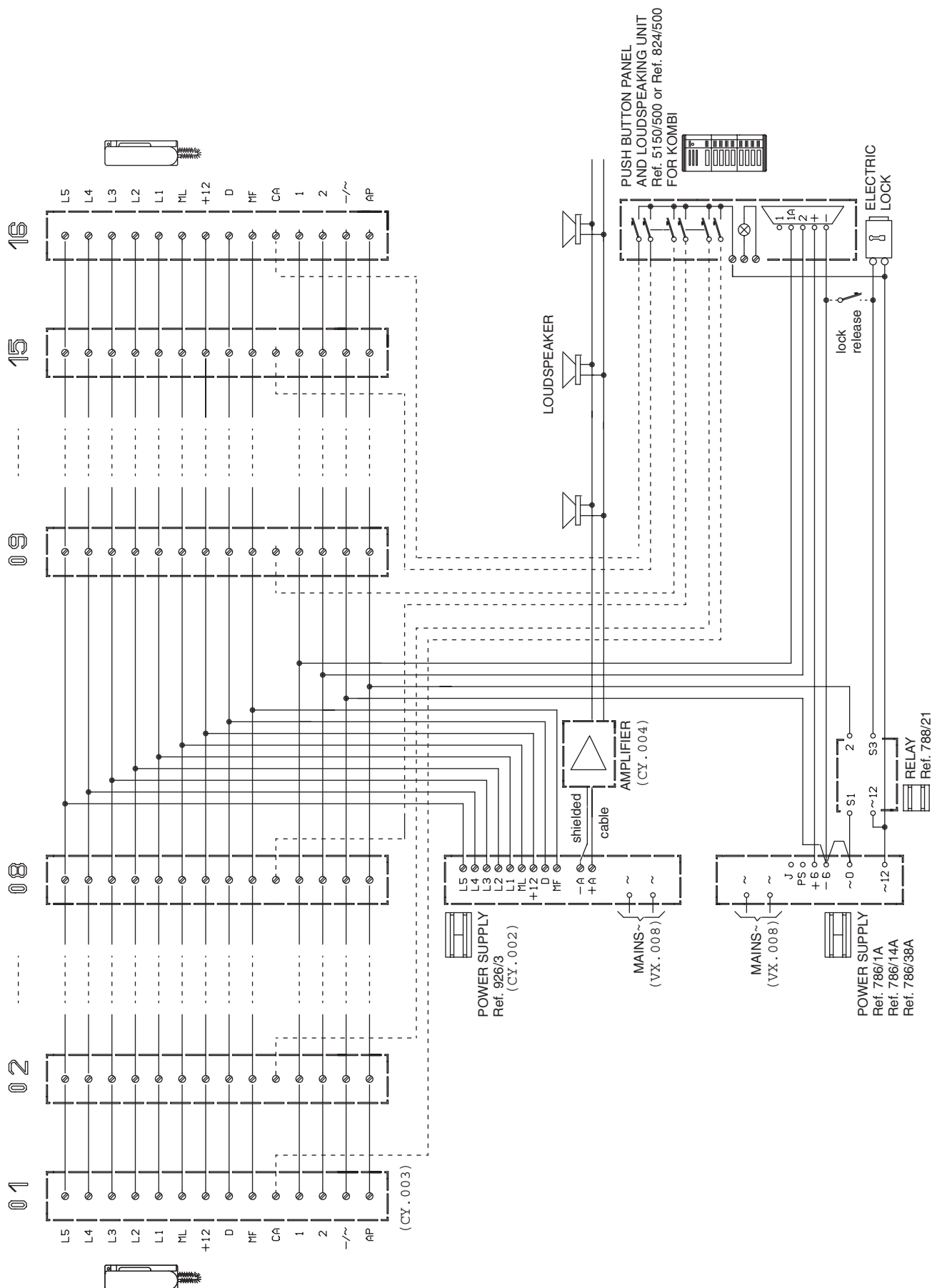
The electric lock will be released through the relay box Ref. 788/21.

## DIAGRAM NOTES

(see section 1)

CY.001  
CY.002  
CY.003  
CY.004  
VX.008

ELECTRONIC INTERCOM SETS MOD. 926 Ref. 926/2



**urmet**  
DOMUS

## EQUIPMENT

The following devices are needed for the system illustrated in diagram SC101-1231:

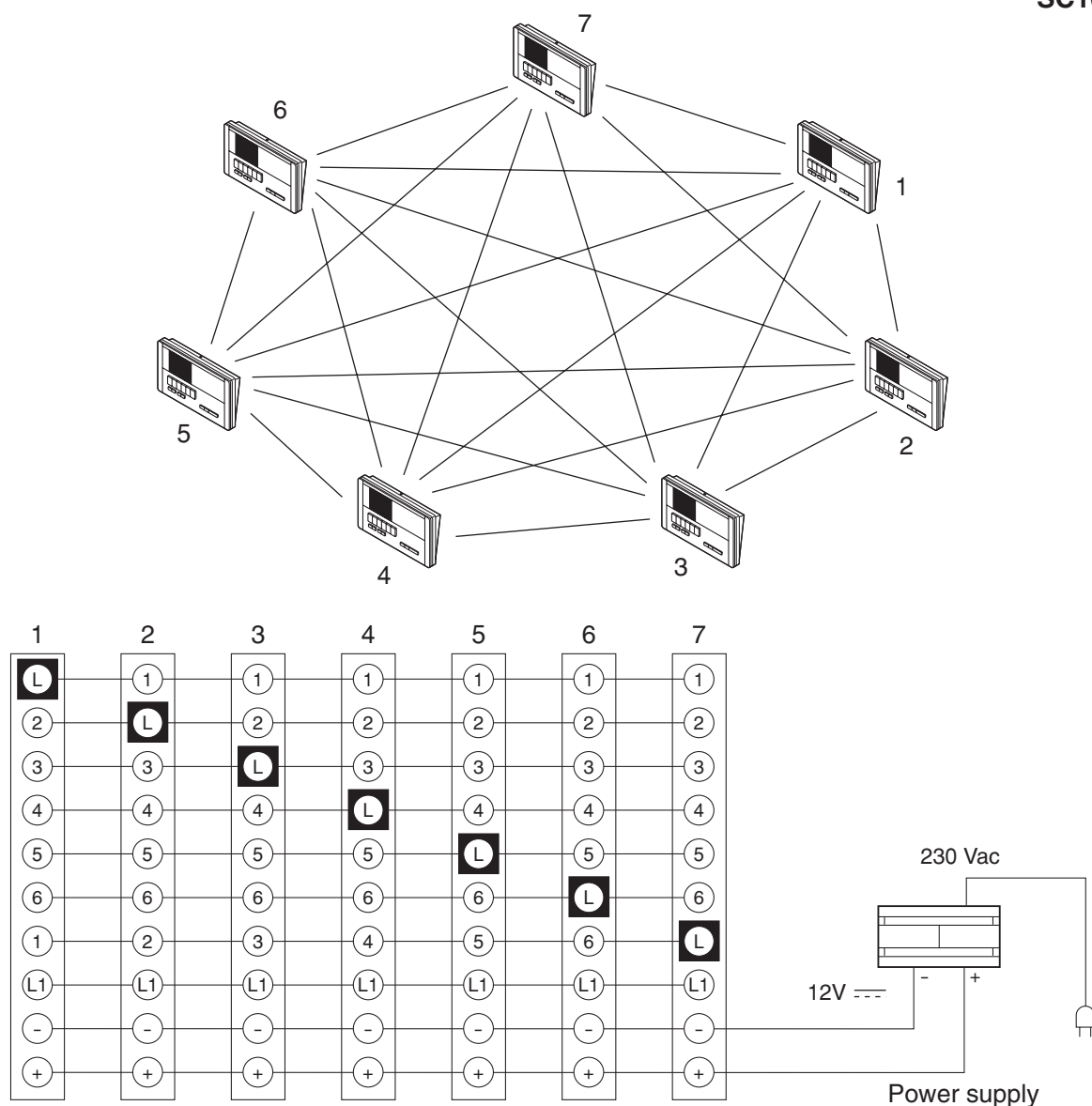
## POWER SUPPLY REFERENCE

**Ref. 8306**

Ref. 8500A

(see section 1)  
C4.012

SC101-1231



## FEATURES

The system provides intercom service for up to seven devices. Three independent conversations can be established at the same time.

A call can be made in parallel to several devices by pressing the required call buttons at the same time.

A third device calling two devices during a conversation will be automatically included in the conversation in progress. Install two devices which can intercommunicate in the same environment at a distance of less than approximately ten metres.

## EQUIPMENT

The following devices are needed for the system illustrated in diagram SC101-1232:

### INTERCOM DEVICE REFERENCE

N. 12 Intercom device with 11 buttons **Ref. 8311**

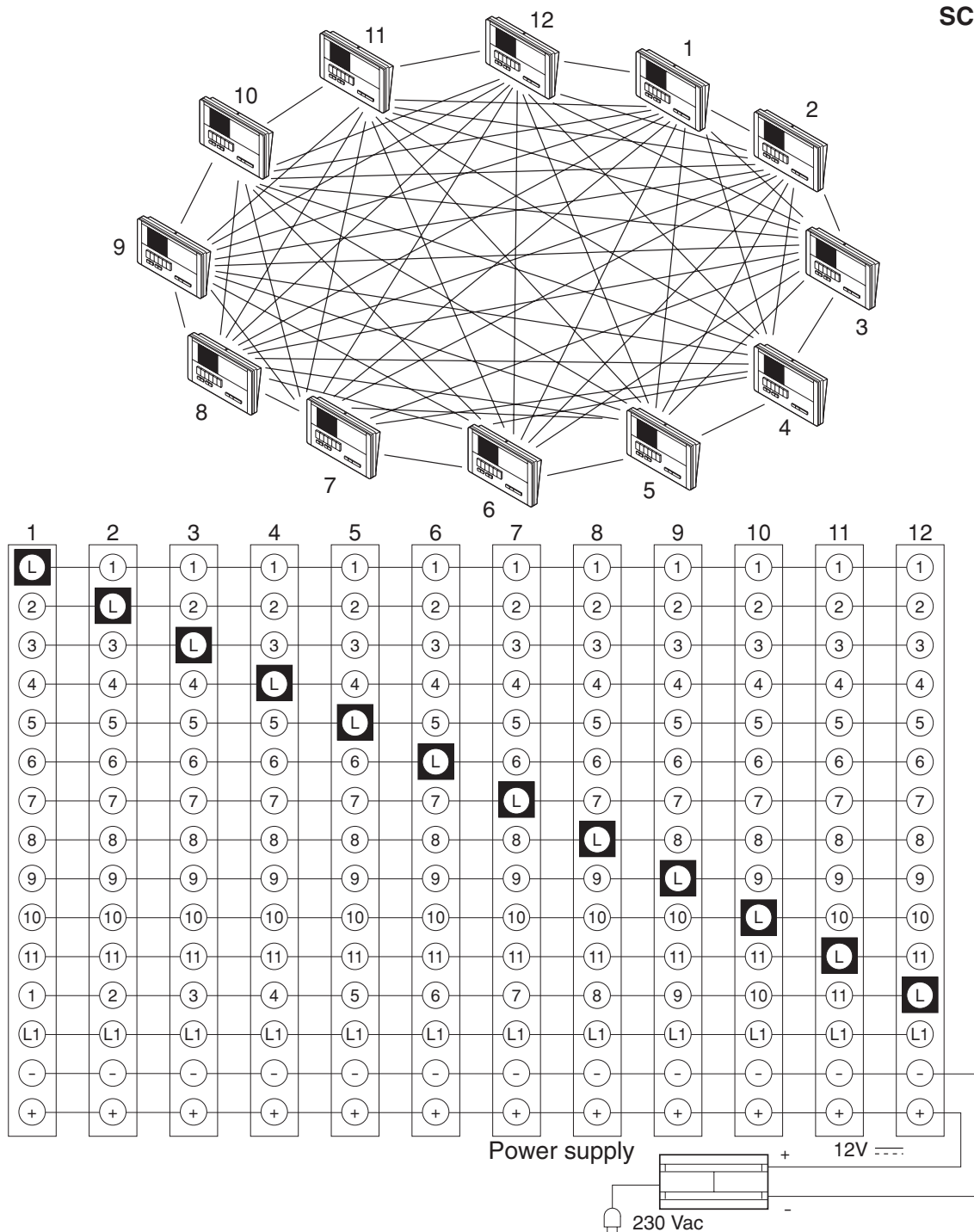
### POWER SUPPLY REFERENCE

N. 1 Power Supply 12 Vdc **Ref. 8500A**

## DIAGRAM NOTES

(see section 1)  
C4.012

**SC101-1232**



# INTERCOM SYSTEMS Ref. 8301 - 8306 - 8311 INTERCOM SYSTEMS WITH SLAVES CONNECTION OF 6 MASTER STATIONS WITH 2 SLAVE UNITS TO 2 MASTER STATIONS



## FEATURES

The system provides intercom service for six main devices. Three independent conversations can be established at the same time. A call can be made in parallel to several devices by pressing the required call buttons at the same time. Two intercom phones (5-6) are respectively connected also to two intercom extensions (A-B). Devices A and B can communicate only with the two main devices to which they are connected.

## EQUIPMENT

The following devices are needed for the system illustrated in diagram SC101-1233:

### INTERCOM DEVICE REFERENCE

|      |                                |           |
|------|--------------------------------|-----------|
| N. 6 | Intercom device with 6 buttons | Ref. 8306 |
| N. 2 | Single slave unit              | Ref. 8301 |

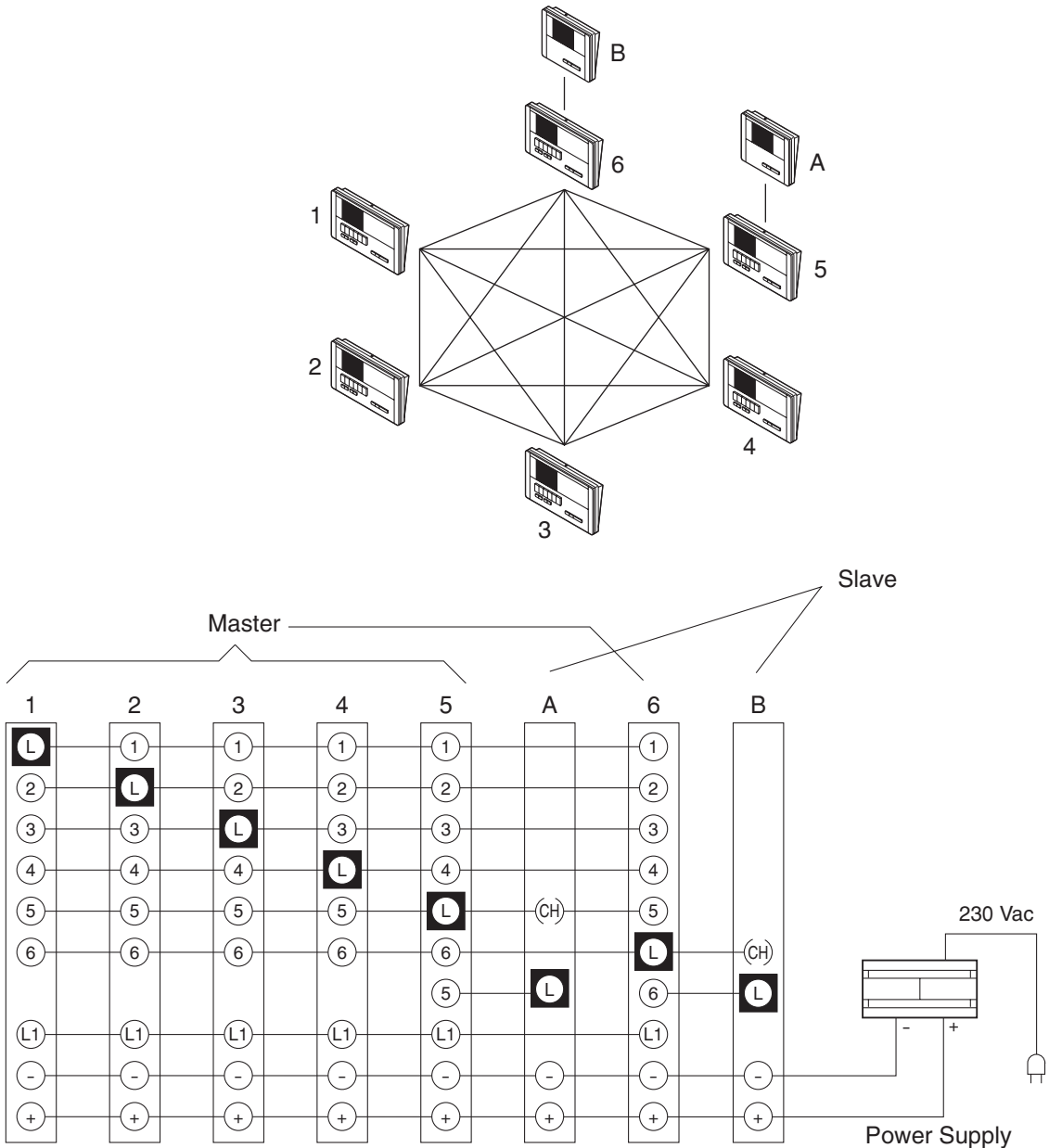
### POWER SUPPLY REFERENCE

|      |                     |            |
|------|---------------------|------------|
| N. 1 | Power Supply 12 Vdc | Ref. 8500A |
|------|---------------------|------------|

## DIAGRAM NOTES

(see section 1)  
 C4.012

SC101-1233



## FEATURES

This system provides intercom service between 6 extensions and a main device.  
Calls can be made in parallel from the main device by pressing the required call buttons at the same time. The extensions can only call the main device.

## EQUIPMENT

The following devices are needed for the system illustrated in diagram SC101-1234:

### INTERCOM DEVICE REFERENCE

|      |                                |           |
|------|--------------------------------|-----------|
| N. 1 | Intercom device with 6 buttons | Ref. 8306 |
| N. 6 | Single slave unit              | Ref. 8301 |

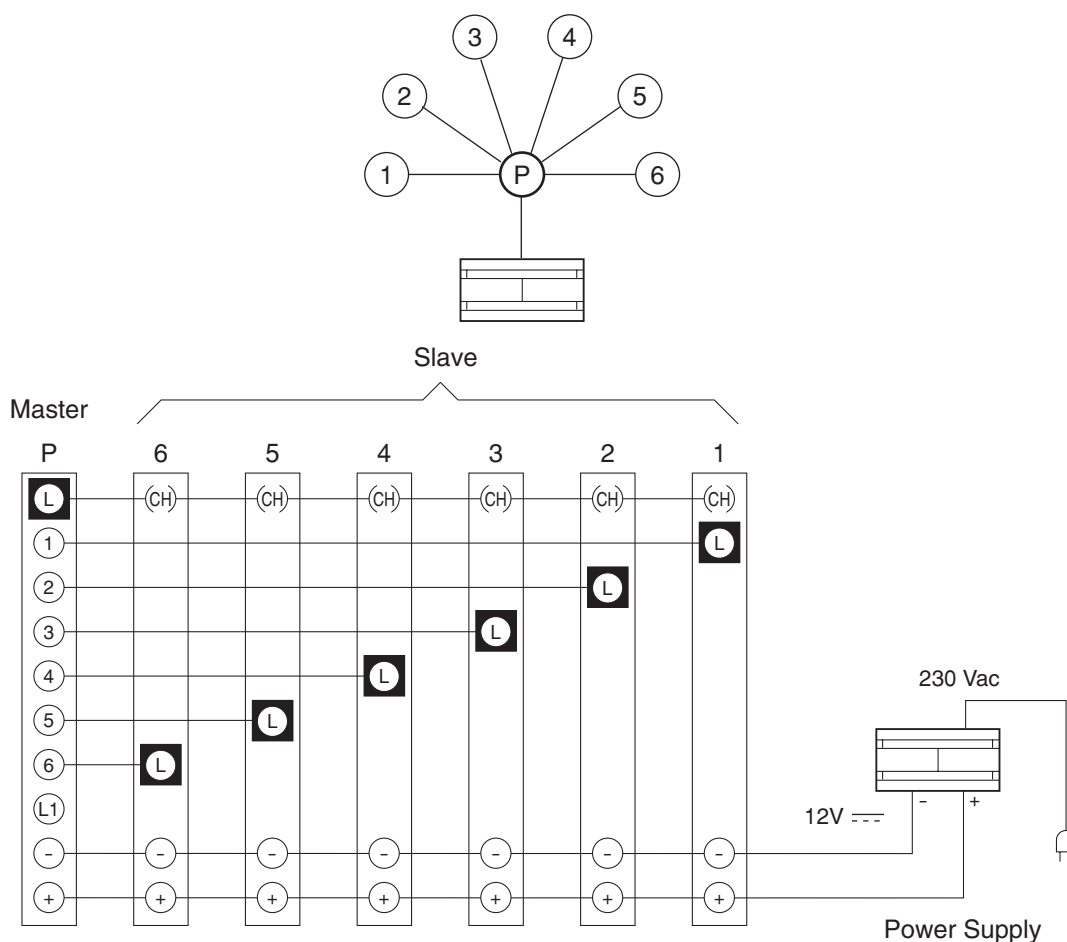
### POWER SUPPLY REFERENCE

|      |                     |            |
|------|---------------------|------------|
| N. 1 | Power Supply 12 Vcc | Ref. 8500A |
|------|---------------------|------------|

## DIAGRAM NOTES

(see section 1)  
C4.012

SC101-1234



INTERCOM SYSTEMS Ref. 8301 - 8306 - 8311  
CENTRALIZED SYSTEMS  
CONNECTION OF 1 MASTER STATION WITH 11 SLAVE UNITS



FEATURES

This system provides intercom service between 11 extensions and a main device.  
Calls can be made in parallel from the main device by pressing the required call buttons at the same time. The extensions can only call the main device.

EQUIPMENT

The following devices are needed for the system illustrated in diagram SC101-1235:

INTERCOM DEVICE REFERENCE

|       |                                 |           |
|-------|---------------------------------|-----------|
| N. 1  | Intercom device with 11 buttons | Ref. 8311 |
| N. 11 | Single slave unit               | Ref. 8301 |

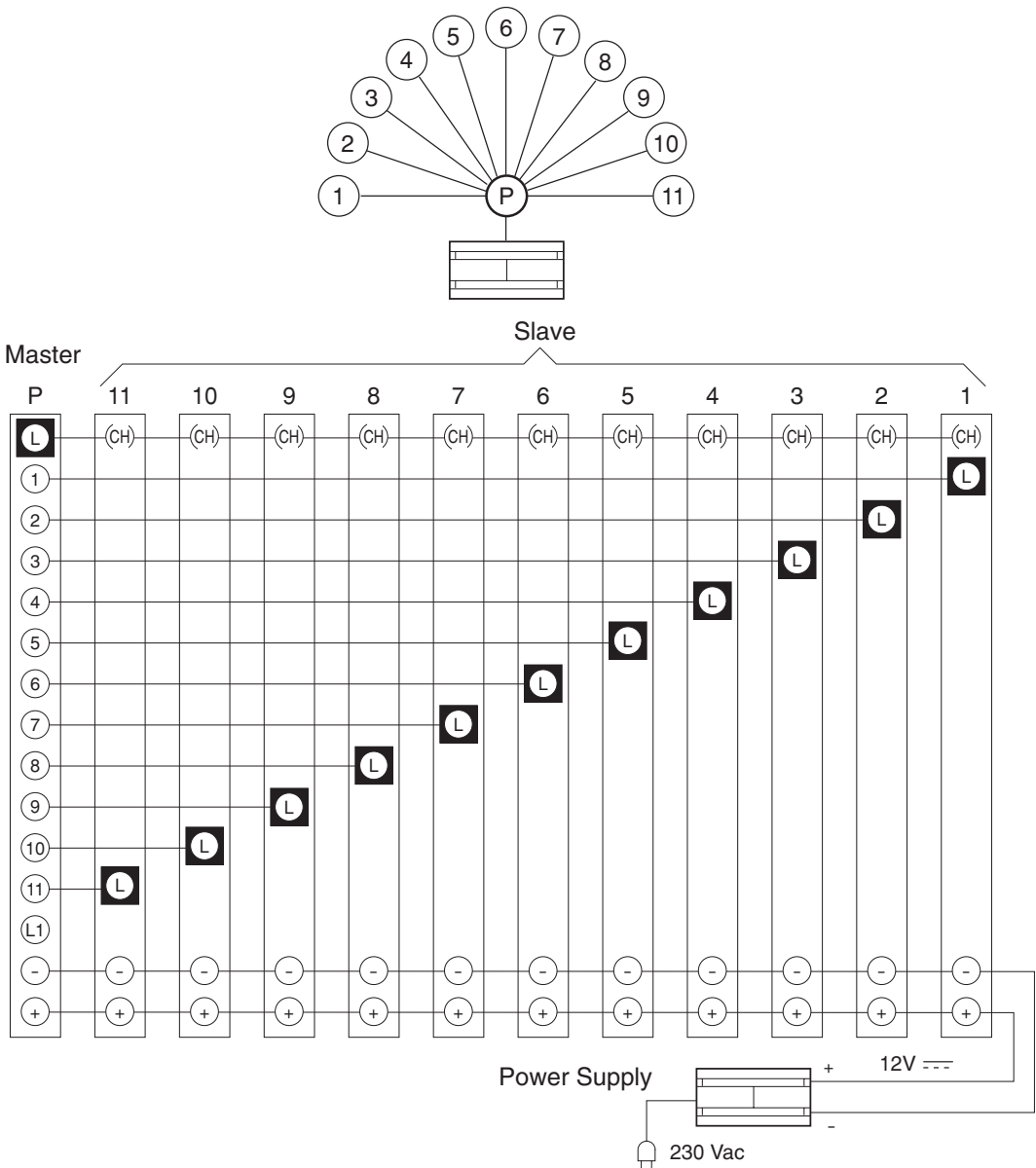
POWER SUPPLY REFERENCE

|      |                     |            |
|------|---------------------|------------|
| N. 1 | Power Supply 12 Vdc | Ref. 8500A |
|------|---------------------|------------|

DIAGRAM NOTES

(see section 1)  
C4.012

SC101-1235







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UNITA' OPERATIVE  
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